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# SELECTED DATA ON WELLS IN THE BARSTOW AREA

## MOJAVE RIVER BASIN CALIFORNIA



OPEN—FILE REPORT

**U.S. DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**Water Resources Division**

**Menlo Park, California, 1973**

PREPARED IN COOPERATION WITH THE  
U.S. MARINE CORPS AND THE CALIFORNIA  
REGIONAL WATER QUALITY CONTROL BOARD  
LAHONTAN REGION



GB  
1025  
.C2  
M653  
1973

Hughes and Patridge--SELECTED DATA ON WELLS, BARSTOW AREA, MOJAVE RIVER BASIN, CALIFORNIA





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By

Jerry L. Hughes and Dan L. Patridge

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## SELECTED DATA ON WELLS IN THE BARSTOW AREA

### MOJAVE RIVER BASIN, CALIFORNIA

By Jerry L. Hughes and Dan L. Patridge

#### PURPOSE AND SCOPE

In June 1971 the U.S. Geological Survey, in cooperation with the U.S. Marine Corps and the California Regional Water Quality Control Board--Lahontan Region, began an investigation of the degradation of ground water in the Barstow area, Mojave River basin, California. The study area is in parts of the lower and middle Mojave River basin, San Bernardino County (figs. 1 and 2), an area of about 200 square miles. The principal towns are Barstow, Lenwood, and Daggett, with major Marine Corps Supply Centers at Nebo, Yermo, and Daggett. Industry includes the Marine Corps supply activities and the Atchison, Topeka and Santa Fe Railway, with regional maintenance facilities in Barstow.

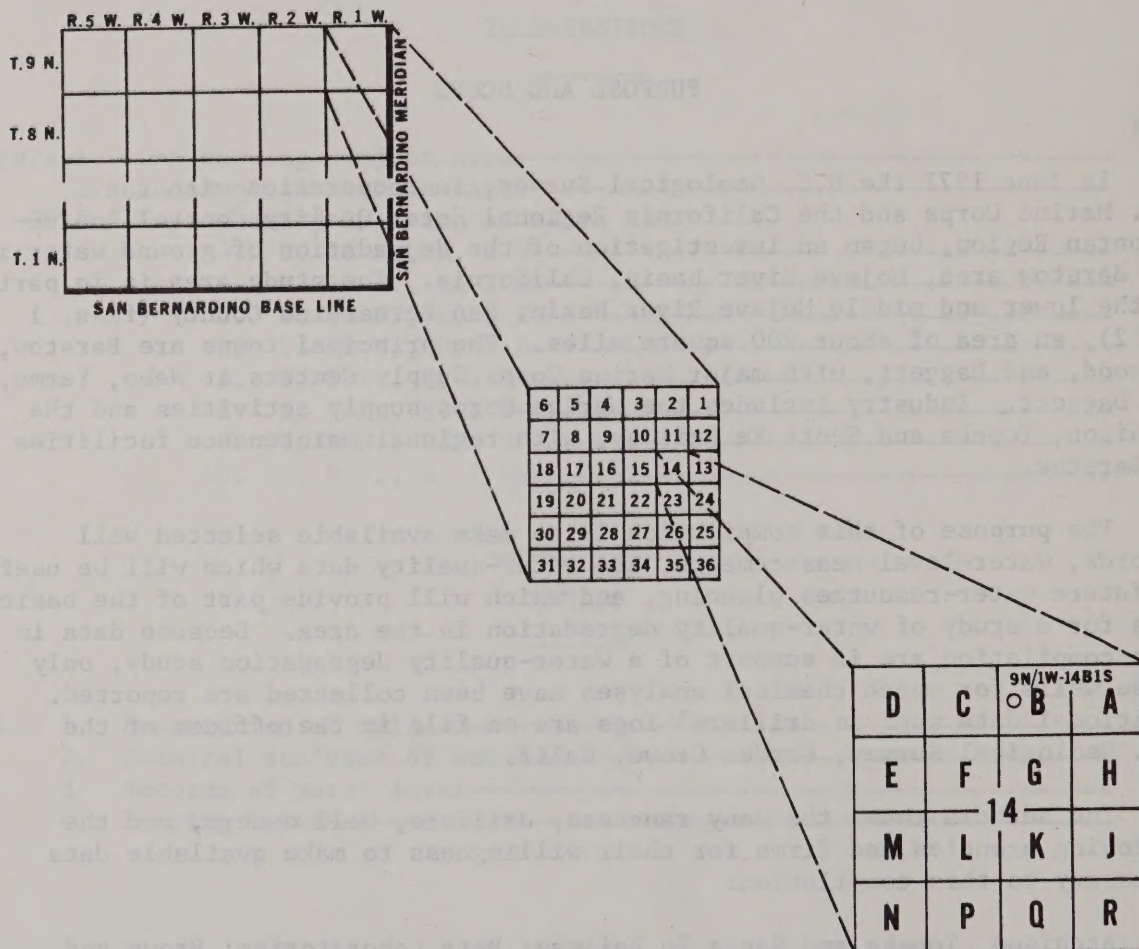
The purpose of this compilation is to make available selected well records, water-level measurements, and water-quality data which will be useful in future water-resources planning, and which will provide part of the basic data for a study of water-quality degradation in the area. Because data in this compilation are in support of a water-quality degradation study, only those wells for which chemical analyses have been collected are reported. Additional data such as drillers' logs are on file in the offices of the U.S. Geological Survey, Garden Grove, Calif.

The authors thank the many ranchers, drillers, well owners, and the following agencies and firms for their willingness to make available data necessary to this compilation:

Atchison, Topeka and Santa Fe Railway; Betz Laboratories; Brown and Caldwell, Consulting Engineers; California Department of Public Health; California Department of Water Resources; City of Barstow; Mojave Water Agency; Nalco Chemical Co.; Neste, Brudin and Stone, Consulting Engineers; San Bernardino County Flood Control District; Southern California Edison Co.; Southern California Water Co.; U.S. Marine Corps, Nebo Annex; and U.S. Naval Laboratories, San Diego, Calif.

# WELL-NUMBERING SYSTEM

The well-numbering system used by the U.S. Geological Survey in California indicates the location of wells according to the rectangular system for the subdivision of public land. For example, in the well number 9N/1W-14B1S the first two segments designate the township (T. 9 N.) and the range (R. 1 W.); the third number gives the section (sec. 14); and the letter indicates the 40-acre subdivision of the section, as shown in the accompanying diagram. The final digit is a serial number for wells in each 40-acre subdivision. The final letter (S) indicates the San Bernardino base line and meridian. The letter Z indicates that the well was plotted from an unverified location description.





## EXPLANATION OF TABLES

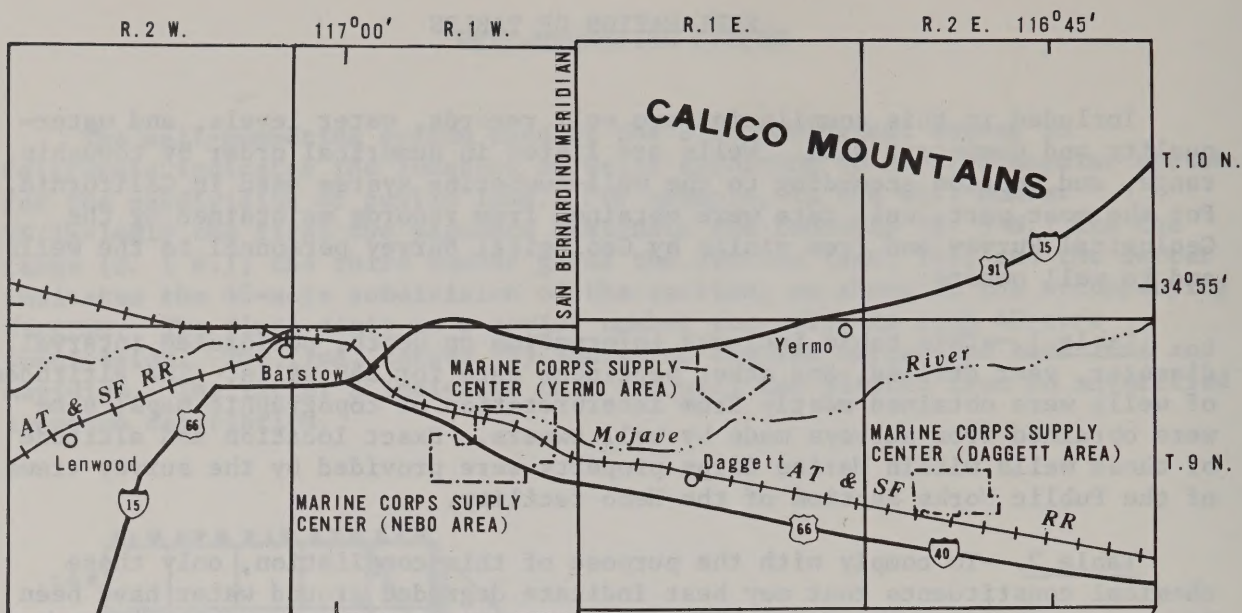
Included in this compilation are well records, water levels, and water-quality and pump-test data. Wells are listed in numerical order by township, range, and section according to the well-numbering system used in California. For the most part, well data were obtained from records maintained by the Geological Survey and from visits by Geological Survey personnel to the wells and to well owners.

Table 1.--This table includes information on depth, perforated interval, diameter, year drilled, and other pertinent data for 250 wells. The altitudes of wells were obtained mostly from interpretation of topographic maps; some were obtained from surveys made by well owners. Exact location and altitude of those wells within Marine Corps property were provided by the survey crews of the Public Works Section of the Nebo facility.

Table 2.--To comply with the purpose of this compilation, only those chemical constituents that may best indicate degraded ground water have been listed. Although wells 9N/1W-9H5S, 9H7S, and 10J3S are monitored monthly and data are added to the computer storage, none of the chemical analyses made after October 1972 appear in this report. Occasionally, only specific conductance and temperature are given. Specific conductance is a measure of the ability of the water to conduct an electrical current. The conductance varies with the concentration of the ions in solution and is a rough measure of the dissolved-solids content of the water.

Table 3.--Water-level data for most wells are the result of measurements made by the Geological Survey as part of past and current programs designed to monitor the effects of water use in the Mojave River ground-water basins. Data furnished by other agencies are identified with the individual wells.

Table 4.--The pump-test or well-efficiency records in this table are useful in evaluating the ability of an aquifer to supply water to a well, but this information should be analyzed only with consideration for the well location, perforated interval, and general construction of each well.



0 2 4 6 MILES  
STUDY AREA

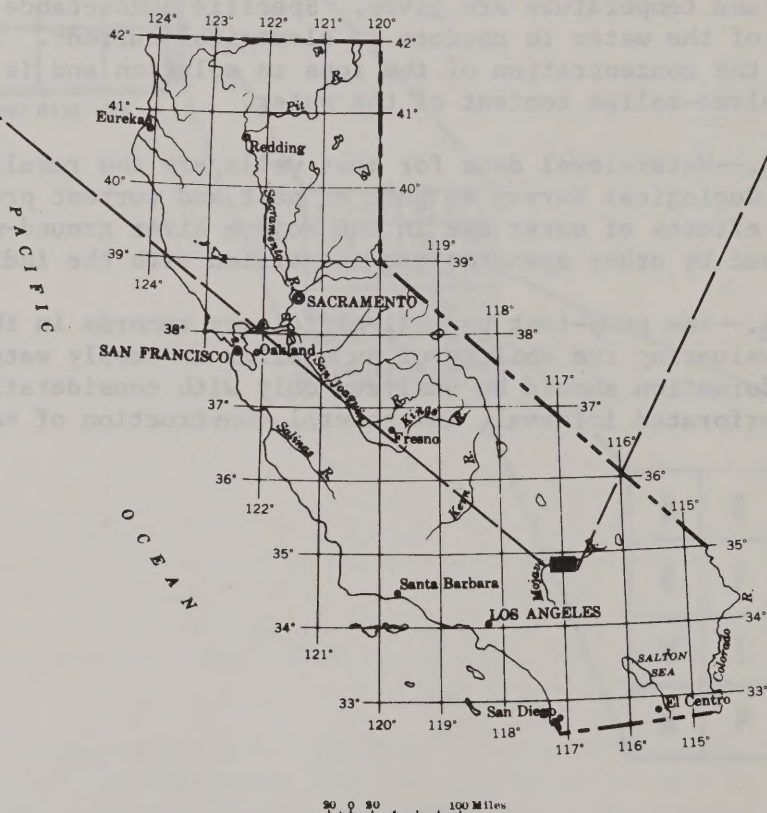


FIGURE 1.—Project area.



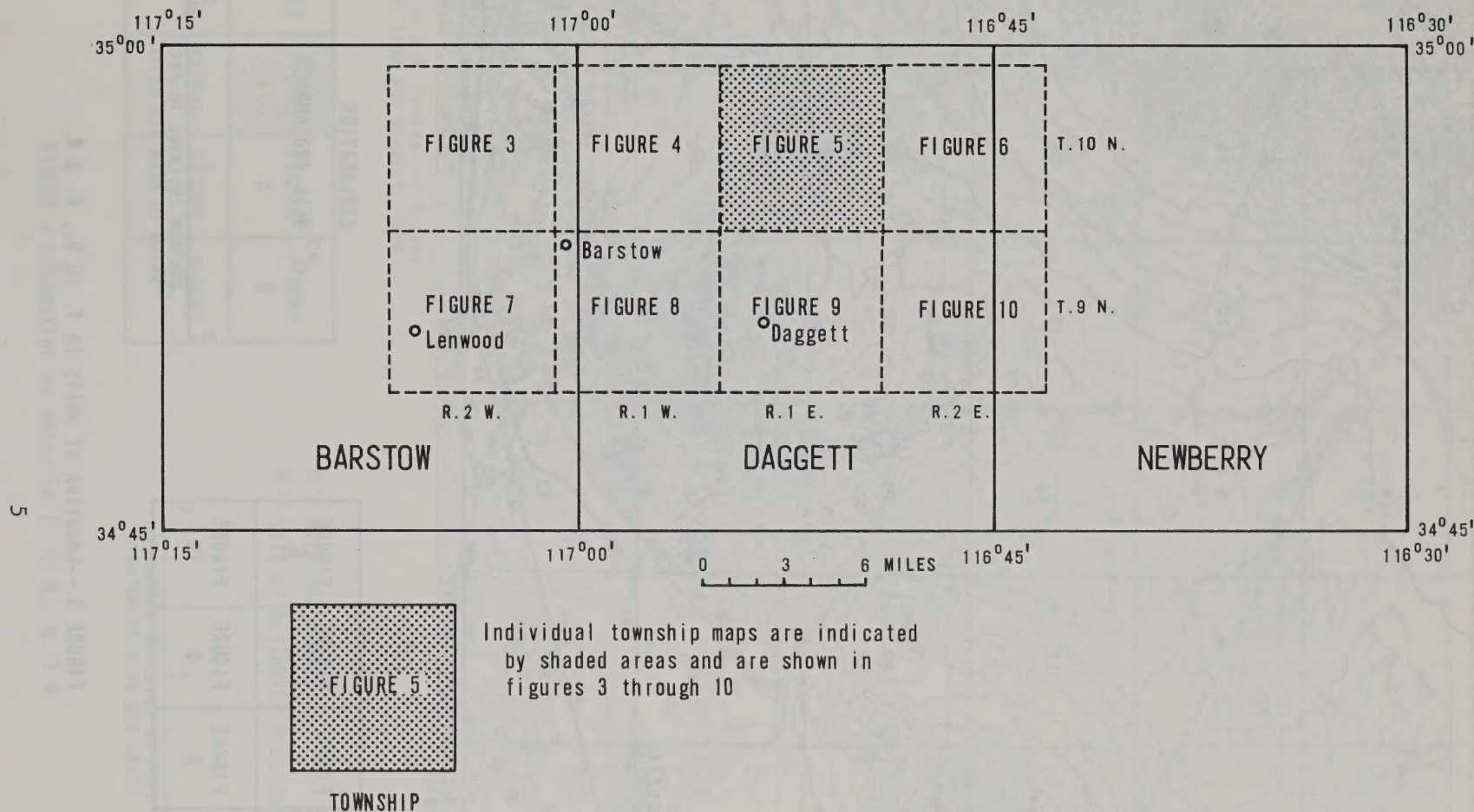
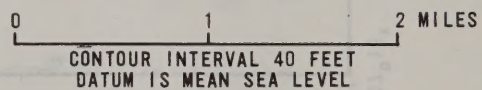


FIGURE 2.—Index of quadrangle maps.



FIGURE 3	FIGURE 4	FIGURE 5	FIGURE 6
FIGURE 7	FIGURE 8	FIGURE 9	FIGURE 10

$\circ^{R2}$  WELL AND NUMBER



6



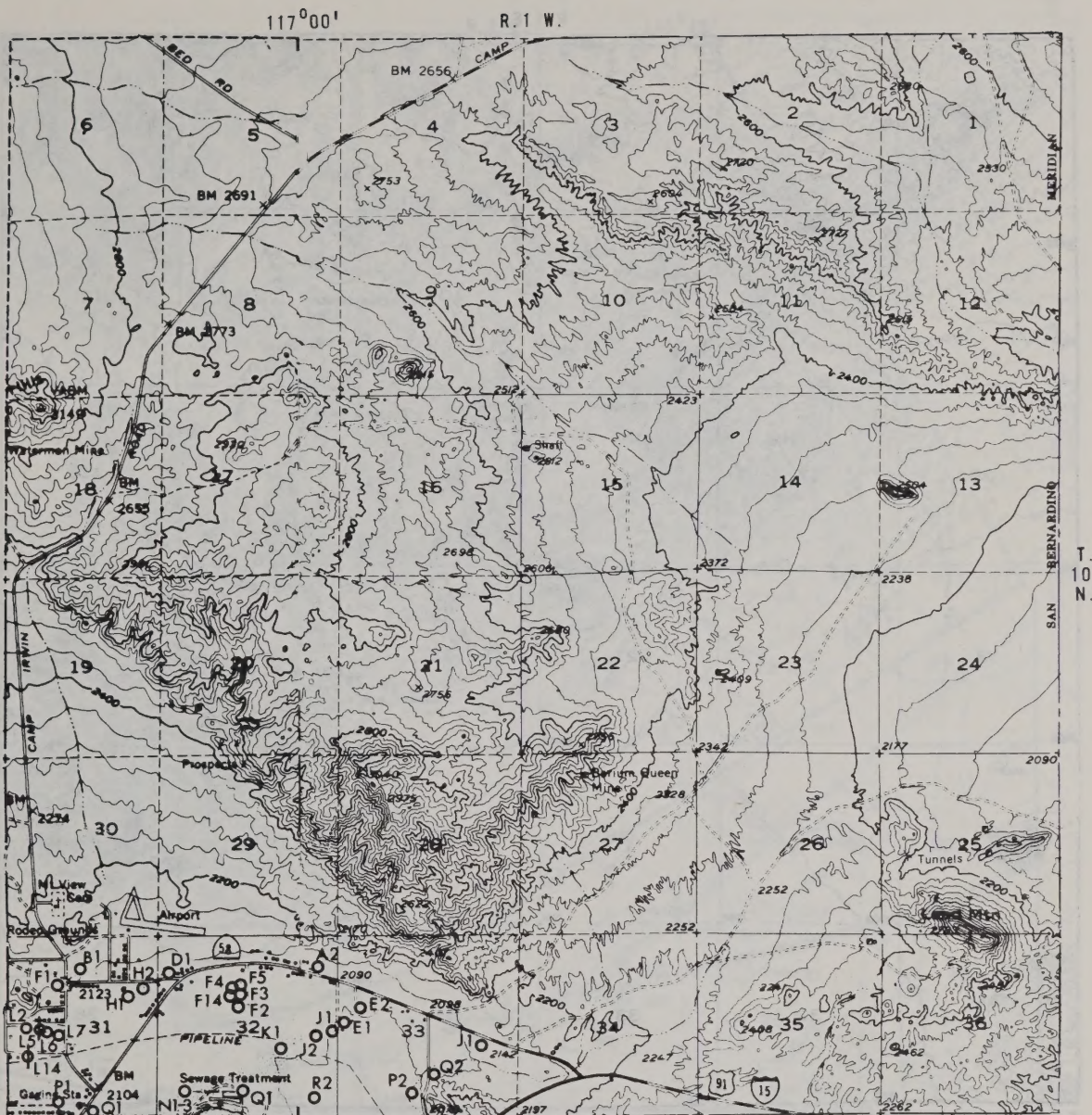


FIGURE 3	FIGURE 4	FIGURE 5	FIGURE 6
FIGURE 7	FIGURE 8	FIGURE 9	FIGURE 10

#### EXPLANATION

- A2 WELL AND NUMBER  
 ⊕ L5 SITE OF DESTROYED WELL AND NUMBER

0 1 2 MILES  
 CONTOUR INTERVAL 40 FEET  
 DATUM IS MEAN SEA LEVEL

FIGURE 4.--Location of wells in T. 10 N., R. 1 W.



R. 1 E.



T. 10 N.

Base from U.S. Geological Survey  
Daggett, 1956

FIGURE 3	FIGURE 4	FIGURE 5	FIGURE 6
FIGURE 7	FIGURE 8	FIGURE 9	FIGURE 10

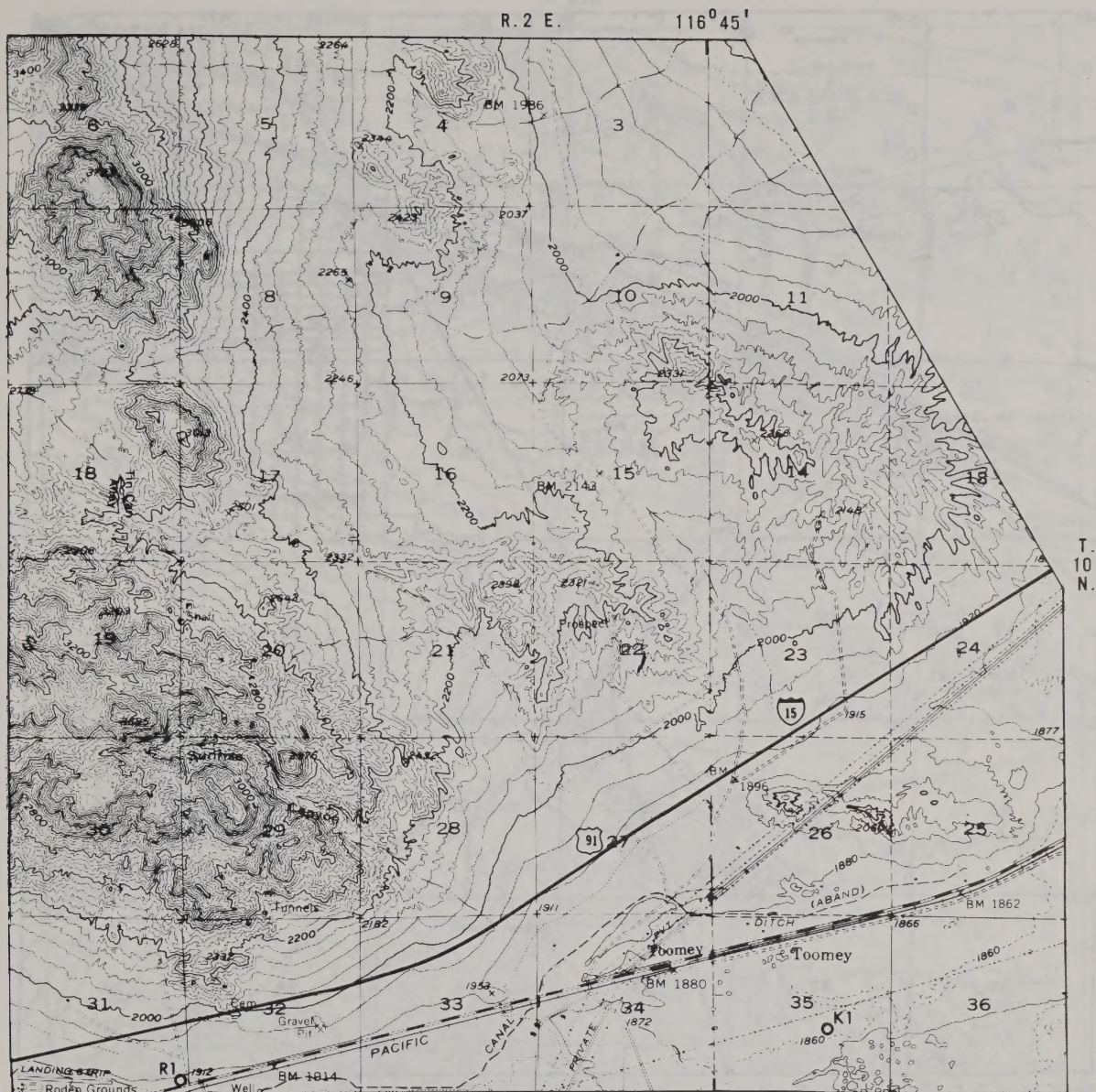
# EXPLANATION

○ P4 WELL AND NUMBER

0 1 2 MILES  
CONTOUR INTERVAL 40 FEET  
DATUM IS MEAN SEA LEVEL

FIGURE 5.—Location of wells in T. 10 N., R. 1 E.





Base from U.S. Geological Survey  
Daggett, 1956 and Newberry, 1955

FIGURE 3	FIGURE 4	FIGURE 5	FIGURE 6
FIGURE 7	FIGURE 8	FIGURE 9	FIGURE 10

#### EXPLANATION

○ K1 WELL AND NUMBER

0 1 2 MILES  
CONTOUR INTERVAL 40 FEET  
DATUM IS MEAN SEA LEVEL

FIGURE 6.—Location of wells in T. 10 N., R. 2 E.







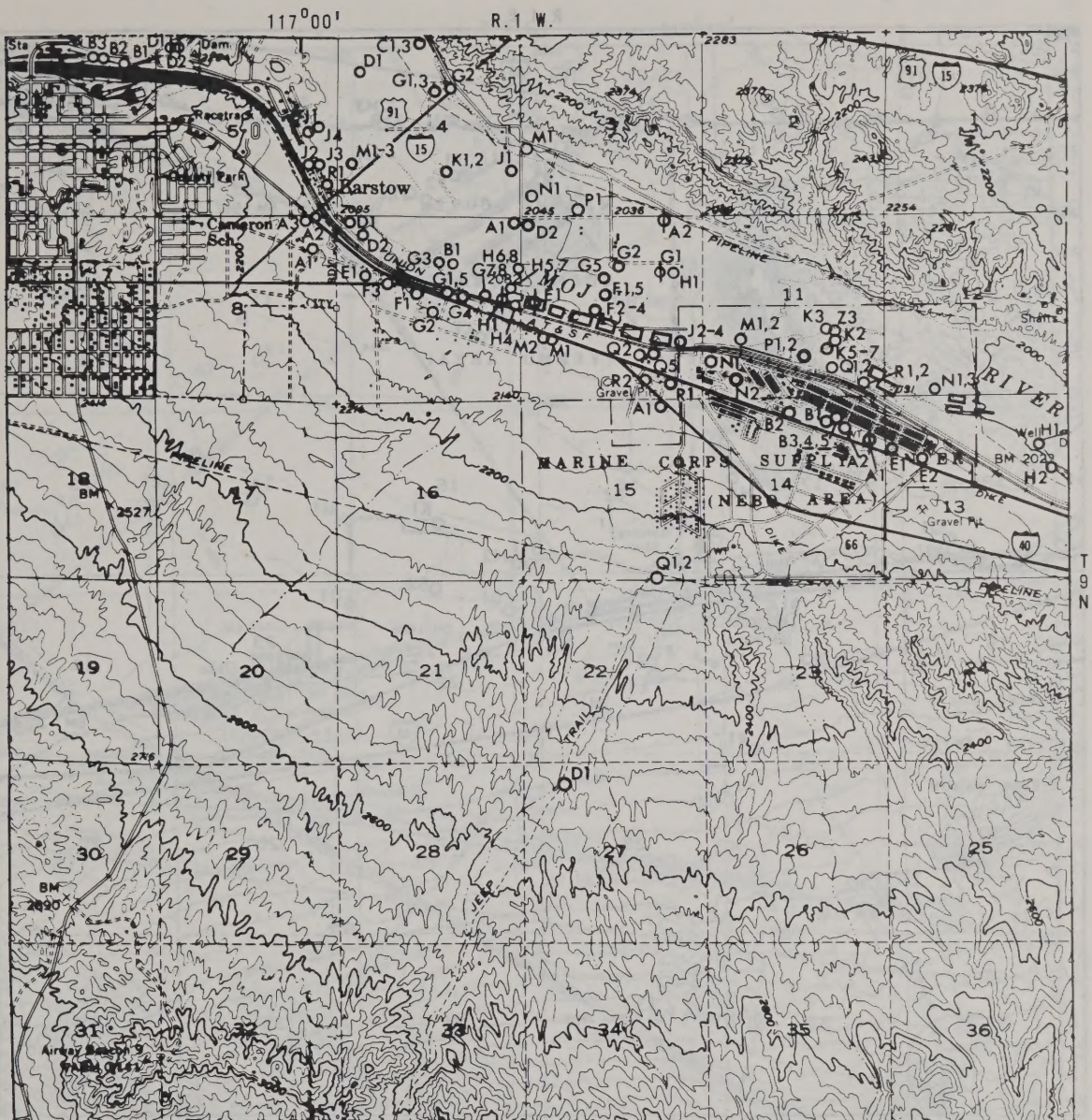


FIGURE 3	FIGURE 4	FIGURE 5	FIGURE 6
FIGURE 7	FIGURE 8	FIGURE 9	FIGURE 10

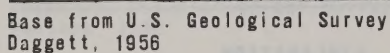
#### EXPLANATION

- B3,4 WELL AND NUMBERS--Underline indicates a destroyed well in series
- φ SITE OF DESTROYED WELL AND NUMBER
- SEWAGE POND

0 1 2 MILES  
CONTOUR INTERVAL 40 FEET  
DATUM IS MEAN SEA LEVEL

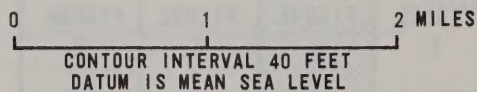
FIGURE 8.--Location of wells in T. 9 N., R. 1 W.





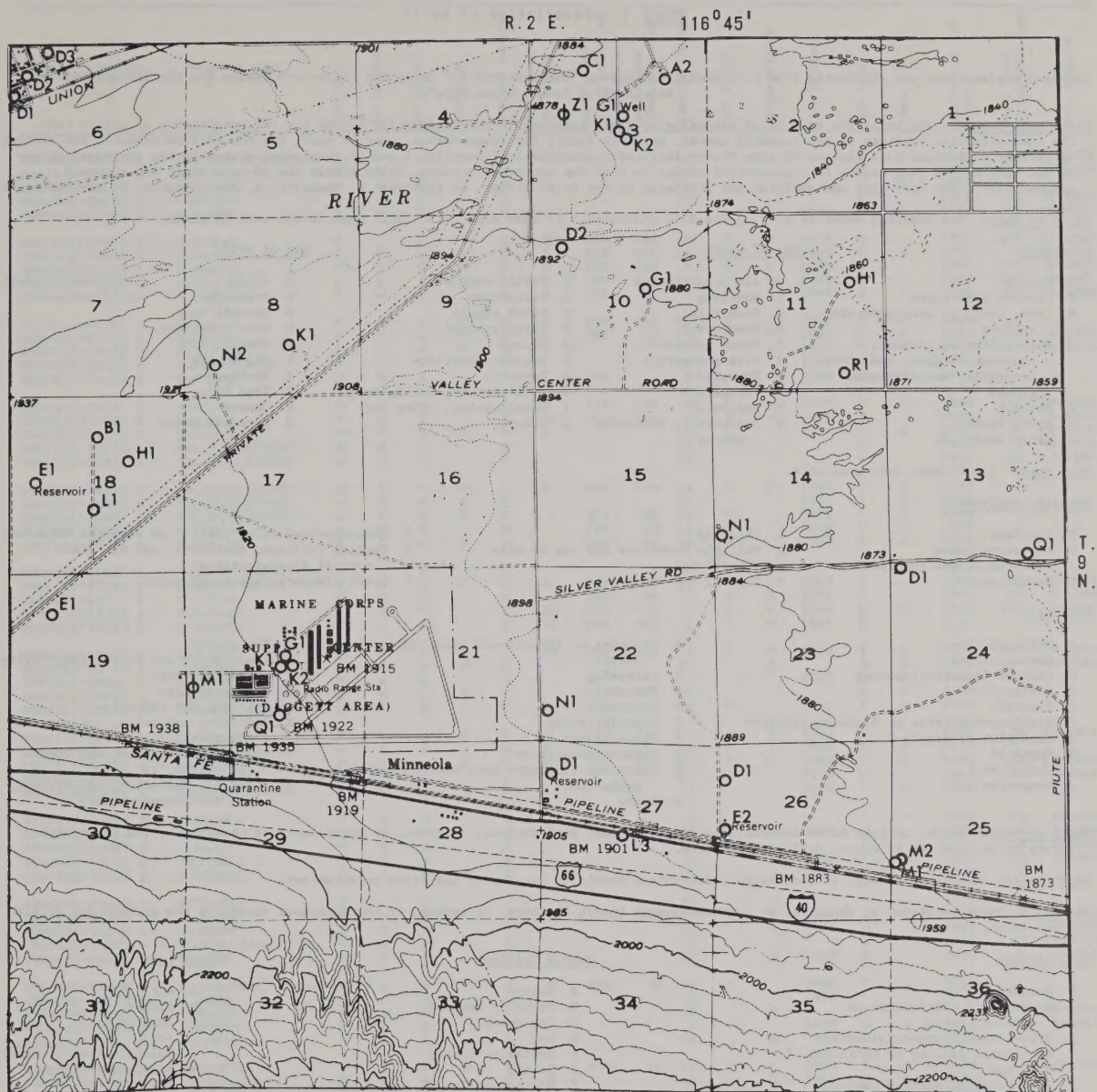
○<sup>B2</sup> WELL AND NUMBER

⊕<sup>D1</sup> SITE OF DESTROYED WELL AND NUMBER



12





Base from U.S. Geological Survey  
Daggett, 1956 and Newberry, 1955

FIGURE 3	FIGURE 4	FIGURE 5	FIGURE 6
FIGURE 7	FIGURE 8	FIGURE 9	FIGURE 10

#### EXPLANATION

- <sup>A2</sup> WELL AND NUMBER  
 ⊕<sup>M1</sup> SITE OF DESTROYED WELL AND NUMBER

0 1 2 MILES  
 CONTOUR INTERVAL 40 FEET  
 DATUM IS MEAN SEA LEVEL

FIGURE 10.--Location of wells in T. 9 N., R. 2 E.



TABLE 1.--Description of wells

[Boxhead explanations are abstracted from U.S. Geological Survey "Instructions for Using the Punch-Card System for the Storage and Retrieval of Ground-Water Data"]

State well number: The wells are identified according to their location in the rectangular system for the subdivision of public land. The identification consists of the township number, north or south; the range number, east or west; and the section number. The section is further subdivided into sixteen 40-acre tracts lettered consecutively (excepting I and O), beginning with A in the northeast corner of the section and progressing in a sinusoidal manner to R in the southeast corner. Wells within the 40-acre tract are numbered sequentially. The base line and meridian are indicated by the final letter, as follows: H, Humboldt; M, Mount Diablo; S, San Bernardino.

Owner or user: The apparent owner or user on the date indicated. In some cases, the local name of the well is given.

Ownership:		Use of water:		Use of well:	
C County	A Air conditioning	P Public supply	A Anode	X Waste disposal	
F Federal Government	B Bottling	R Recreation	D Drainage	Z Destroyed.	
M City, town, or unincorporated village	C Commercial	S Stock supply	G Seismic hole		
N Corporation or company, churches, lodges, and other nonprofit, nongovernment groups	D Dewatering	T Institutional	H Heat reservoir		
	E Power generation	U Unused	O Observation		
	F Fire protection	V Repressurization	P Oil or gas		
P Private	H Domestic	W Recharge	R Recharge		
S State agency	I Irrigation	X Desalination, public supply	T Test hole		
W Water district.	M Medicinal	Y Desalination, other use	U Unused		
	N Industrial, including mining	Z Other.	W Withdraw water		

Pump test: P indicates data available.

Chemical analyses:

C Complete	L Chloride	R Radiochemical (plus partial or complete chemical)
G Dissolved gases	M Multiple (complete and one or more	S Special (tritium, carbon-14, and all other
J Conductance and chloride	partials)	special determinations)
K Conductance	P Partial	T Trace elements (spectrographic).

Log data:

A Drilling-time	K Dipmeter or directional (inclinometer)	T Temperature
B Casing-collar	survey	U Temperature and fluid-conductivity (resistivity)
C Caliper (diameter) survey	L Laterolog	V Fluid-velocity
D Driller's	M Microlog	W Electric and radiation
E Electric	N Neutron	X Electric, radiation, caliper, and fluid-velocity
F Fluid-conductivity or fluid-resistivity	O Microlaterolog	Y Electric, radiation, and sample (or driller's)
G Geologist or sample	P Photographic	Z Electric, radiation, temperature, and fluid-conductivity.
H Magnetic	Q Radioactive-tracer	
I Induction	R Radiation (includes both neutron and gamma-ray)	
J Gamma-ray	S Sonic	

Depth of well: Depth, in feet below land-surface datum, to last perforations, if known, or total depth as measured by the Geological Survey or as reported by owner, driller, or others.

Depth cased: Length of casing, in feet below land-surface datum, to the top of the first perforations.

Diameter: Inside diameter of the well, in inches; nominal inside diameter, in inches, of the innermost casing at the surface for drilled cased wells.

<u>Well finish:</u>	<u>Method drilled:</u>	<u>Lift type:</u>
C Porous concrete	A Rotary	A Air
F Gravel wall, perforated or slotted casing	B Bored or augered	B Bucket
G Gravel wall, commercial screen	C Cable-tool	C Centrifugal
H Horizontal gallery or collector	D Dug	J Jet
O Open end	H Hydraulic-rotary	L Multiple (centrifugal)
P Perforated or slotted casing	J Jetted	M Multiple (turbine)
S Screen	P Air percussion	N None
T Sand point	R Reverse-rotary	P Piston
W Walled or shored	T Trenching	R Rotary
X Open hole in aquifer (generally cased to aquifer)	V Driven	S Submersible
Z Other.	W Drive-wash	T Turbine
	Z Other.	Z Other.

Power:

1 Hand	3 Gasoline engine	4 Diesel engine	5 Electric motor	7 LP gas engine
2 Natural gas engine	F 0-5 hp	M 0-50 hp	S 0-1 hp	(propane or butane)
A 0-20 hp	G >5-20	N >50-150	T >1-5	A 0-20 hp
B >20-50	H >20-50	P >150-400	U >5-15	B >20-50
C >50-100	J >50-100	Q >400-750	V >15-100	C >50-100
D >100-200	K >100-200	R >750	W >100	D >100-200
E >200	L >200			E >200
			6 Wind	8 Other.

Altitude of 1sd: Altitude of land-surface datum, in feet, above mean sea level. Land-surface datum is an arbitrary plane closely approximating land surface at the time of the first measurement and used as the plane of reference for all subsequent measurements.

Water level: Depth to water, in feet, above (+) or below land-surface datum.

Date measured: Month and year of the water-level measurement.



State well number	Owner or user	Ownership	Use of water	Use of well	Pump test	Chemical analyses	Log data	Depth of well (feet below lad)	Depth cased (feet below lad)	Diameter (inches)	Well finish	Method drilled	Year drilled	Lift type	Power	Altitude of lad (feet)	Water level (feet below lad)	Date measured
09N/01E-01E01 S	CAL DIV HIGHWAY	S	H	W		C				12				T	T	1935	75	10-1960
09N/01E-01L01 S	U.P.R.R.	N	N	W		C				16				S	V	1930	71	10-1960
09N/01E-01L04 S	U.P.R.R.	N	N	W		C				16				T	V	1930		
09N/01E-02F02 S	FORTSON	P	U	U		C				11				N	P	1945	82	10-1960
09N/01E-03H03 S	H.GORES	P	H	W	P	C				10		C	1932	P	6	1950	91	10-1962
09N/01E-03P01 S	U.S.M.C.	F		Z		C	DE	504	494	2	P	H	1968	N		1955	105	10-1968
09N/01E-03P02 S	U.S.M.C.	F	P	W	P	C	D	400	160	16	F	R	1969	M	V	1955		
09N/01E-03Q01 S	U.S.M.C.	F	Z	O		C	D	125	105	4	F	H	1971	S		1960	104	6-1971
09N/01E-03Q02 S	U.S.M.C.	F	Z	O		C	D	155	145	4	F	H	1971	S		1960	104	6-1971
09N/01E-04F01 S	O.RUSSELL	P	H	W		C	D	100	82	8	P	C	1947	J	T	1965	95	10-1960
09N/01E-04J01 S	U.S.M.C.	F	H	W	P	M	D	260	142	12	P		1942	T	U	1965		
09N/01E-04J02 S	U.S.M.C.	F	P	W	P	M	D	350	60	14	F	R	1960	T	V	1964	98	10-1960
09N/01E-04R01 S	U.S.M.C.	F	P	W	P	M	D			12	P	C	1942	T	V	1963	103	10-1960
09N/01E-05G02 S	A.NOFFSINGER	P	H	W		C				8			1954	J		1980		
09N/01E-06H01 S	C.PIPHER	P	H	W		C		152		8			1950	C		1980		
09N/01E-09E01 S	ATKINS	P	H	W		C	D	115	103	8	P	C	1949	T	T	1980	110	10-1960
09N/01E-10M01 S	U.S.M.C.	F	U	T		C	DE	441	431	2	P	H	1968	N		1960	292	6-1968
09N/01E-10L01 S	U.S.M.C.	F	P	W	P	M	D			12	P		1942	T	V	1960	91	10-1960
09N/01E-13E01 S	CALIF.ELECTRIC	N	U	U		M				12				N		1949	85	10-1960
09N/01E-13E02 S	CALIF.ELECTRIC	N	U	U		M				12				N		1950	86	10-1960
09N/01E-14G01 S	CALIF.ELECTRIC	N	I	W	P	C	D	478	148	16	P	C	1957	T	W	1945		
09N/01E-14M01 S	CALIF.ELECTRIC	N	I	W	P	C				12			1951	T	V	1960		
09N/01E-15K01 S	CALIF.ELECTRIC	N	I	W	P	C		390	60	14	P		1952	T	V	1960		
09N/01E-15N01 S	M.PHELPS	P	H	W		M		134	93	10	P		1946	T	U	1970		
09N/01E-15N02 S	M.PHELPS	P	I	W	P	M		504	50	16	P		1952	T	V	1970		
09N/01E-16Z01 S	TOWN OF DAGGETT	M		Z		C				84		D						1991
09N/01E-17H01 S	DAGGETT WATER	W	U	U	P	M	D	135	70	12	P	H	1957	T		1980	93	11-1960
09N/01E-18Q01 S	U.S.G.S.	F	U	O		M		101	99	2	T	B	1972	A		1983	55	2-1972
09N/01E-19J01 S	U.S.M.C.	F	U	U		C	GE	660	415	8	F	H	1966	S	V	2144	125	5-1966
09N/01E-19J03 S	U.S.M.C.	F	U	O		C	GE	252	250	1	T	H	1966	N		2144		
09N/01E-19J05 S	U.S.M.C.	F	H	W		C	GE	255	180	8	F	H	1966	S	V	2144	180	7-1966
09N/01E-20A01 S	H.ORTON	P	H	W	P	C				14		C		S	5	2040	145	11-1960
09N/01E-20B01 S	ABEYAS	P	H	W		C				8			1942	C	S	2045		
09N/01E-20R01 S	H.FISHER	P	H	W	P	C		450	350	6				S	T	2210		
09N/01E-21F01 S	DAGGETT WATER	W	P	W	P	C	D	300	270	12	P		1931	T	U	2065		
09N/01E-21H01 S	J.KELLEY	P	U	U	P	C	D	398	148	16	P	C	1957	N		2000	125	11-1960
09N/01E-21L01 S	DAGGETT WATER	W	P	W	P	M	D			12	P		1948	T	V	2075		
09N/01E-22B02 S	F.MOLBY	P	H	W	P	C	D	253	120	12	P	C	1955	T	U	1965	105	11-1960
09N/01E-22D01 S	R.VAN DYKE	P	H	W		C				12			1917	N		1969	93	11-1960
09N/01E-23D01 S	CALIF.ELECTRIC	N	H	W		C				8			1959	T	U	1955		
09N/02E-03A02 S	SJOLIN	P	H	W		C				4				S	5	1845	40	1-1960
09N/02E-03C01 S		P	U	U		C	D	60	29	10	F	C	1950			1870	18	1-1960
09N/02E-03G01 S	SJOLIN	P	U	U		C				16				C		1850	8	1-1960
09N/02E-03K01 S	MITCHELL	P	H	W		M				8			1900	P	6	1857	10	1-1960
09N/02E-03K02 S	MITCHELL	P	I	W	P	C				14			1908	T	5	1860		
09N/02E-03Z01 S	MITCHELL	P		Z		C				30		D				1870		
09N/02E-06D01 S	J.SHOPE	P	H	W		C	D	150	108	10	P	C	1938	T	U	1925	67	10-1962
09N/02E-06D02 S	J.SHOPE	P	U	U		C				10		C	1950	N		1925	63	10-1962
09N/02E-06D03 S	J.GUILLIAMS	P	U	U	P	C				8				J	T	1925	63	12-1961
09N/02E-08K01 S	MALLER	P	U	U		C	D			12		C	1918	N		1915	0	12-1960
09N/02E-08N02 S	E.CHILDERS	P	I	W	P	M	D	295	72	14	F		1948	T	V	1920		
09N/02E-10D02 S	T.HESEL	P	H	W		C				6			1959			1890		
09N/02E-10G01 S	G.RYMAN	P	U	U		C				8		D				1880		12-1960
09N/02E-11H01 S	S.BROWN	P	H	W		M				8			1950	J	S	1865	18	1-1960
09N/02E-11R01 S	G.LUKAS	P	H	W		C				96		D		J	S	1875		
09N/02E-13Q01 S	G.SEVERN	P	I	W	P	C		230	48	12	F		1953	T	V	1870	15	12-1960
09N/02E-14N01 S	L.FAIRBANKS	P	H	W		C	O			12		C	1910	J	S	1888		
09N/02E-18B01 S	HILL BROS	P	H	W		C				6			1951	T	V	1925		
09N/02E-18E01 S	MOLLER	P	I	W		M				12				T	V	1935	81	12-1960
09N/02E-18H01 S	HILL BROS	P	I	W		C	D	302	80	16	F	H	1954	T	2	1925		
09N/02E-18L01 S		P	U	U		C				12				N		1930	73	12-1960
09N/02E-19E01 S	HILL BROS	P	I	W		C				20				T	2	1935		
09N/02E-20G01 S	S.B.COUNTY	C	P	W		C	D	488	330	16	P		1942	T	U	1915	60	6-1961
09N/02E-20K01 S	S.B. COUNTY	C	P	W	P	M	D	388	242	16	P		1942	T	U	1918	61	6-1961
09N/02E-20K02 S	S.B. COUNTY	C	P	W		C	D			16			1947	T	V	1915		
09N/02E-20M01 S	S.B.C. AIRPORT	C		Z		C				16		C				1927		
09N/02E-20Q01 S	S.B.C. AIRPORT	C	H	W		C				12			1933	J	T	1921		
09N/02E-22N01 S	W.HAMILTON	P	U	U		C				8				N		1895	49	6-1961
09N/02E-24D01 S	C.DEFLON	P	I	W		C				12				T	V	1870		
09N/02E-25M01 S	R.COLES	P	I	W	P	C		160	0	10			1953	T	V	1880		
09N/02E-25H02 S	R.COLES	P	I	W		C				12		H	1960	T	V	1880	35	6-1961
09N/02E-26D01 S	A.CIRANNA	P	U	U		C				12		C				1890		
09N/02E-26E02 S	A.CIRANNA	P	I	W	P	C				16	F		1948	T	V	1890		
09N/02E-27D01 S	A.BARNETT	P	H	W		C				12		C		T	V	1905		
09N/02E-27L03 S	D.MASSININI	P	H	W		C				10			1949	S		1900	54	8-1961
10N/01E-22C01 S	W.KNOTT	P	P	W		C				84		D	1900	P	5	2320		
10N/01E-35P04 S	C.KEEPER	P	U	U		M				12		C		N		1945	0	8-1961
10N/02E-31R01 S	STATE OF CALIF	S	H	U		C				10			1930	T	T	1920	58	6-1959
10N/02E-35K01 S		P	U	U		C				5				P	6	1850		
09N/01W-03M01 S	J.HUDSON	P	H	W		C				84		D		J	S	2060	29	6-1958
09N/01W-03N01 S	E.NELSON	P	H	W		C				5		C		C	S	2045	8	6-1958
09N/01W-03P01 S	P.PENNINGTON	P	H	W		C				10		C	1956	L	T	2040	15	9-1960
09N/01W-04C01 S	POLICH BROS	P	H	W		C		90	10	12	F	D	1946	C	S	2065	13	6-1958
09N/01W-04C03 S	POLICH BROS	P	I	W	P	C				10	F	D	1953	C	U	2065		
09N/01W-04D01 S	POLICH BROS	P	I	W		C		156		12						2075		



State well number	Owner or user	Ownership	Use of water	Use of well	Pump test	Chemical analyses	Log data	Depth of well (feet below lsd)	Depth cased (feet below lsd)	Diameter (inches)	Well finish	Method drilled	Year drilled	Lift type	Power	Altitude of lsd (feet)	Water level (feet below lsd)	Date measured
09N/01W-04G01 S	V.ROOS	P	U	U		C				12		D		L	T	2060	9	6-1958
09N/01W-04G02 S	V.ROOS	P	H	W		C				8		C	1954	C	U	2060		
09N/01W-04G03 S	V.ROOS	P	H	W		C										2060		
09N/01W-04J01 S	T.COLBAUGH	P	H	W		C				12		C	1948	C	S	2060	10	6-1958
09N/01W-04K01 S	U.S.G.S.	F	U	O		C	GA	101	99	2	T	B	1972			2053	14	2-1972
09N/01W-04K02 S	U.S.G.S.	F	U	O		M	GA	57	55	2	T	B	1972			2053	14	2-1972
09N/01W-04M01 S	U.S.G.S.	F	U	O		M	GA	84	82	2	T	B	1971			2056	16	8-1971
09N/01W-04M02 S	U.S.G.S.	F	U	O		M	GA	58	56	2	T	B	1971			2056	16	8-1971
09N/01W-04M03 S	U.S.G.S.	F	U	O		M	GA	34	32	2	T	B	1971			2056	16	8-1971
09N/01W-05D01 S	T.BERNETT	P	U	Z		C				10				T	T	2115		
09N/01W-05D02 S	A.T.S.F. R.R.	N	U	Z		M				8	P	B	1962			2115		
09N/01W-05J01 S	J.STURNACLE	P	U	W		M	D	92	32	12	P	C	1951	N		2080	29	6-1958
09N/01W-05J02 S	SO.CALIF.WATER	W	P	W		M	D	208	50	8	P	C	1952	T	U	2080		
09N/01W-05J03 S	SO.CALIF.WATER	W	P	W		C	D	222	40	8	P	C	1955	S		2060	12	9-1960
09N/01W-05J04 S	J.STURNACLE	W	U	W		C	D	102	18	12	X		1952	N		2065	8	6-1958
09N/01W-05R01 S	W.DIVINE	P	U	U		C				12				T	5	2080	33	10-1960
09N/01W-06B01 S	A.T.S.F. R.R.	P	U	Z		M				18						2094		
09N/01W-06B02 S	SO.CALIF.WATER	W	P	W	P	C	D	102	50	14	F	C	1952	T	4	2110		
09N/01W-06B03 S	A.T.S.F. R.R.	N	U	O		C				8	P	B	1962	N		2110		
09N/01W-08A01 S	LEAK	P	H	W		C				12		C	1943	T	T	2120		
09N/01W-08A02 S	J.BELSHER	P	H	W		C	D	131	95	10	P	C	1954	S	5	2110	75	11-1962
09N/01W-08A03 S	F.MOORE	P	H	W		C				10				T		2120	80	6-1958
09N/01W-09A01 S	DR.TAYLOR	P	U	U		C				8		C	1946	N		2045	8	6-1958
09N/01W-09B01 S	U.S.G.S.	F	U	O		C	GA	51	49	2	T	B	1971	A		2048	11	8-1971
09N/01W-09D01 S	T.EVANS	P	H	W		M		76		10			1951	J	S	2090		
09N/01W-09D02 S	B.WILKS	P	H	W		C	D	106	60	12	P	C	1952	T	U	2090	53	10-1960
09N/01W-09E01 S	P.LYONS	P	H	W		P		106		10			1951	T	T	2100		
09N/01W-09F01 S	J.YOUNGBLOOD	P	I	W		C				8		C		T	T	2075	40	10-1960
09N/01W-09F03 S	C.MIDDAUGH	P	H	W		C				10			1947	N		2100		
09N/01W-09G01 S	PRICE	N	H	W		M				8			1948	J	S	2070	36	9-1960
09N/01W-09G02 S	S.SLACK	P	H	W		C						H		T	5	2075		
09N/01W-09G03 S	J.BUCKNER	P	H	W		C			10	8	P		1951	T	T	2060	48	10-1960
09N/01W-09G04 S	W.HILL	P	H	W		C				8				S	5	2080		
09N/01W-09G05 S	C.SCHELL	P	U	U		C				5		C	1947	P		2070		
09N/01W-09G07 S	U.S.G.S.	F	U	O		M	GA	50	48	2	T	B	1971	A		2053	20	8-1971
09N/01W-09G08 S	U.S.G.S.	F	U	O		M	GA	101	99	2	T	B	1972			2053	16	2-1972
09N/01W-09H01 S	D.LIPSCOMB	P	I	W		C					D	1958	C	5		2045		
09N/01W-09H04 S	CITY OF BARSTOW	M	N	W		M				12	G	B	1967	M	4	2045	45	3-1968
09N/01W-09H05 S	U.S.G.S.	F	U	O		M	GA	48	46	2	T	B	1971			2040	6	9-1971
09N/01W-09H06 S	U.S.G.S.	F	U	O		M	GA	53	51	2	T	B	1971			2039	7	9-1971
09N/01W-09H07 S	U.S.G.S.	F	U	O		M	GA	101	99	2	T	B	1972			2040	7	2-1972
09N/01W-09H08 S	U.S.G.S.	F	U	O		M	GA	101	99	2	T	B	1972			2039	8	2-1972
09N/01W-10A02 S	F.WASSERMAN	P	U	Z		P				12		C		C	U	2035	19	9-1960
09N/01W-10D02 S	CONSUMERS OIL	N	I	W		M				12		C	1944	T	U	2045		
09N/01W-10E01 S	D.LIPSCOMB	P	H	W		M				10			1916	L	T	2060	18	10-1960
09N/01W-10F01 S	U.S.G.S.	F	U	O		M	GA	52	50	2	T	B	1971	A		2033	9	9-1971
09N/01W-10F02 S	U.S.G.S.	F	U	O		M	GA	101	99	2	T	B	1971			2035	11	9-1971
09N/01W-10F03 S	U.S.G.S.	F	U	O		M	GA	72	70	2	T	B	1971			2035	9	9-1971
09N/01W-10F04 S	U.S.G.S.	F	U	O		M	GA	52	50	2	T	B	1971			2035	10	9-1971
09N/01W-10F05 S	U.S.G.S.	F	U	O		M	GA	101	99	2	T	B	1972			2033	9	2-1972
09N/01W-10G01 S	L.TIPPETT	P		Z		M				10		C	1949	J	S	2035	14	7-1958
09N/01W-10G02 S	J.BISHOP	P	H	W		C		100	20	12	P	C	1937	C	U	2040	12	6-1958
09N/01W-10G05 S	U.S.G.S.	F	U	O		M	GA	75	73	2	T	B	1972			2034	7	2-1972
09N/01W-10H01 S	J.RAMSEY	P	H	W		C				10		C		C	T	2035	18	10-1960
09N/01W-10J02 S	U.S.G.S.	F	U	O		M	GA	93	91	2	T	B	1971			2029	12	9-1971
09N/01W-10J03 S	U.S.G.S.	F	U	O		M	GA	61	59	2	T	B	1971			2029	12	9-1971
09N/01W-10J04 S	U.S.G.S.	F	U	O		M	GA	25	23	2	T	B	1971			2029	12	2-1972
09N/01W-10M01 S	GREYSTONE AUTO	N	H	W	P	C				8		C	1930	J	S	2097		
09N/01W-10M02 S	R.HAGAR	P	U	U		C				8		C	1929	N		2098	79	3-1958
09N/01W-10Q02 S	R.STAPP	P	H	W		M				8		C		J	T	2050	41	8-1958
09N/01W-10Q05 S	R.STAPP	P	H	W		M				8		C	1951	J	T	2074	37	8-1958
09N/01W-10R01 S	W.WHITE	P	H	W		M								T	T	2080		
09N/01W-10R02 S	TEXACO CORP	N	H	W		C		249	140	12			1965	S	T	2100	64	5-1967
09N/01W-11K02 S	CALIF.ELECTRIC	N	I	W	P	C	D	202	30	12	F	C	1950			2010		
09N/01W-11K03 S	U.S.M.C.	F	U	O		C		105	103	1	T	B	1966			2013	14	6-1966
09N/01W-11K05 S	U.S.G.S.	F	U	O		M	GA	56	54	2	T	B	1971			2022	18	9-1971
09N/01W-11K06 S	U.S.G.S.	F	U	O		M	GA	43	41	2	T	B	1971			2023	19	9-1971
09N/01W-11K07 S	U.S.G.S.	F	U	O		M	GA	102	100	2	T	B	1971			2022	18	9-1971
09N/01W-11M01 S	U.S.G.S.	F	U	O		M	GA	51	49	2	T	B	1971			2032	21	9-1971
09N/01W-11M02 S	U.S.G.S.	F	U	O		M	GA	131	129	2	T	B	1971			2032	20	2-1972
09N/01W-11N01 S	U.S.G.S.	F	U	O		M	GA	99	97	2	T	B	1971			2052	37	2-1972
09N/01W-11N02 S	U.S.G.S.	F	U	O		M		100	60	2	P	B	1972	N		2048	33	3-1972
09N/01W-11P01 S	U.S.G.S.	F	U	O		M	GA	52	50	2	T	B	1971			2037	29	9-1971
09N/01W-11P02 S	U.S.G.S.	F	U	O		M	GA	115	113	2	T	B	1971			2037	27	2-1972
09N/01W-11Q01 S	U.S.G.S.	F	U	O		M	GA	53	51	2	T	B	1971			2033	29	9-1971
09N/01W-11Q02 S	U.S.G.S.	F	U	O		M	GA	105	103	2	T	B	1971			2033	25	2-1972
09N/01W-11R01 S	U.S.G.S.	F	U	O		M	GA	52	50	2	T	B	1971			2032	29	9-1971
09N/01W-11R02 S	U.S.G.S.	F	U	O		M	GA	102	100	2	T	B	1972			2033	26	2-1972
09N/01W-11Z03 S	B.FUNK	P				C		100								2020		
09N/01W-12N01 S	U.S.G.S.	F	U	O		M	GA	92	90	2	T	B	1971			2007	28	9-1971
09N/01W-12N03 S	U.S.G.S.	F	U	O		M	GA	136	134	2	T	B	1971			2007	28	2-1972
09N/01W-13E01 S	U.S.M.C.	F	P	W		M	D	348	48	16	F	H	1954	T	V	2071	65	7-1958
09N/01W-13E02 S	U.S.M.C.	F	U	U	P	C	D	440	65	16	P	R	1960	N		2060	60	10-1960
09N/01W-13H01 S	D.VAN DYKE	P	I	W	P	C							1948	T	V	1990		
09N/01W-13H02 S	C.DAVIS	P	H	W	P	M	D	108	65	8	P	C	1954	T	T	2000	34	8-1958



State well number	Owner or user	Ownership	Use of water	Use of well	Pump test	Chemical analyses	Log data	Depth of well (feet below land)	Depth cased (feet below land)	Diameter (inches)	Well finish	Method drilled	Year drilled	Lift type	Power	Altitude of land (feet)	Water level (feet below land)	Date measured
09N/01W-14A01 S	U.S.M.C.	F	T	Z	P	C	D	420	65	12	P	R	1942	N		2060		
09N/01W-14A02 S	U.S.M.C.	F	T	P	P	M	D	407	107	12	P	H	1958	T	V	2058	64	7-1958
09N/01W-14B01 S	U.S.M.C.	F	T	P	P	M	D	171	70	16	P	C	1942	T	V	2064	57	7-1958
09N/01W-14B02 S	U.S.M.C.	F	T	P	P	M	D	230	37	16	P	C	1947	T	V	2068	62	7-1958
09N/01W-14B03 S	U.S.M.C.	F	T	P	P	M	D	312	109	16	F	R	1969	M	V	2058	46	6-1969
09N/01W-14B04 S	U.S.M.C.	F	U	O		C	ED	399	375	2	F	R	1969	N		2058	55	11-1969
09N/01W-14B05 S	U.S.M.C.	F	U	O		C	ED	126	100	2	F	R	1969	N		2058	46	11-1969
09N/01W-15A01 S	MOJAVE ROCK CO	N	H	W	P	C	D	129	110	12	P	C	1951	T	U	2100	77	6-1951
09N/01W-15Q01 S	U.S.M.C.	F	U	O		C	ED	475	472	1	T	H	1966	N		2250	212	7-1966
09N/01W-15Q02 S	U.S.M.C.	F	U	O		C	ED	290	288	2	T	H	1966	N		2250	220	7-1966
09N/01W-27D01 S	U.S.M.C.	F	U	O		C	ED	548	546	1	T	H	1966			2480	426	7-1966
09N/02W-01F01 S	SO.CALIF.WATER	N	P	W		M				14			1947	T	S	2120		
09N/02W-01F02 S	SO.CALIF.WATER	N	P	W		M				14			1945	T	S	2120		
09N/02W-01F03 S	SO.CALIF.WATER	N	P	W		C				14	F		1952	T	S	2120		
09N/02W-01F04 S	SO.CALIF.WATER	N	P	W		M				16			1958	T	K	2120	22	6-1958
09N/02W-02A01 S	GONZALEZ	P	H	W		M				6		C		S		2140		
09N/02W-03D01 S	CIRCLE C RANCH	P	I	W		C				12		C		T	V	2145		
09N/02W-03D02 S	CIRCLE C RANCH	P	I	W		C				12		D		C		2150		
09N/02W-03R02 S		P	H	W		M				12		H		M	4	2150		
09N/02W-04J01 S	J.COLLINS	P	H	W		C				12		C	1949	J	S	2155	31	6-1958
09N/02W-04K01 S	G.FERGASON	P	H	W		C				14		C		J	S	2160	27	6-1958
09N/01W-05M01 S	U.S.G.S.	F	U	O		M	GA	102	100	2	T	B	1971	A		2180	49	2-1972
09N/02W-05M02 S	U.S.G.S.	F	U	O		M	GA	54	52	2	T	B	1971	J		2180	39	2-1972
09N/02W-05N04 S	G.LAUFENBURGER	P	H	W		C				12		C	1951	J	S	2180		
09N/02W-08A01 S	PACIFIC WATER	N	P	W	P	C	D	91	28	12	P			T	V	2180		
09N/02W-08B01 S	PACIFIC WATER	N	U	U		M	D	99	31	12	P			N		2180	42	6-1958
09N/02W-08C01 S	C.JOHNSON	P	I	W		C				12		C	1954	T	U	2190		
09N/02W-10A02 S	PACIFIC WATER	N	P	W	P	C	D			14	F		1957	T	U	2185		
09N/02W-10A03 S	PACIFIC WATER	N	P	W		C				10				T	V	2185		
09N/02W-10B01 S	J.LAWRENCE	P	U	U		M				12		C		S	S	2210	88	10-1958
09N/02W-17E01 S	P.SCHOEBEL	P	H	W		M				10		C	1944	J	S	2250		
09N/02W-19R01 S	G.SWEETEN	P	S	W		C	D	152	149	8	P	C	1953	P	6	2320		
09N/02W-20D01 S	G.SINQUINTA	P	S	W	P	C								T	V	2260	82	10-1958
09N/02W-21R01 S	RESTARUANT	N	H	W		M								S		2380		
09N/02W-34Q01 S	R.BAXTER	P	H	W		C				14		C	1930	P	6	2450		
10N/01W-31B01 S	W.GABRIEL	P	H	W		C				12		C	1950	T	U	2125	46	5-1959
10N/01W-31F01 S	E.HILL	P	H	W	P	C				12	B		1925	T	T	2120	46	5-1959
10N/01W-31H01 S	C.OHARRA	P	H	W		M		114	80	16	P	C	1950	T	U	2115	26	5-1959
10N/01W-31H02 S	C.OHARRA	P	H	W		C				10				J	S	2115		
10N/01W-31L02 S	P.DENNET	P	I	W		C				8		D		C	T	2105	16	5-1959
10N/01W-31L05 S	SO.CALIF.WATER	N		Z		C				20						2105		
10N/01W-31L06 S	SO.CALIF.WATER	N	P	W		M								T		2105		
10N/01W-31L07 S	SO.CALIF.WATER	N	P	W		C								T		2105		
10N/01W-31L14 S	V.WISTER	P		Z		C				12		D	1949	N		2105		
10N/01W-31P01 S	F.CLARK	P	H	W		C				65		D	1941	C	3	2110	11	6-1958
10N/01W-31Q01 S	U.S.G.S.	F	U	O		M	GA	62	60	2	T	B	1971	A		2091	26	8-1971
10N/01W-32A02 S	T.BYRNES	P	H	W		C							1937	P	6	2120		
10N/01W-32D01 S	HIGHWAY DEPT.	C				C				12		C	1939			2115		
10N/01W-32F02 S	C.MADRID	P	H	W		C				2				C	S	2115		
10N/01W-32F03 S	F.MOLINA	P	H	W		C				2				C	S	2115		
10N/01W-32F04 S	E.GOMEZ	P	H	W		M				8		C	1956	T	S	2115	11	5-1959
10N/01W-32F05 S	V.BACA	P	H	W		M				8	T			J	S	2105		
10N/01W-32F14 S	J.ZAMORA	P	H	W		C				2			1954	P		2115		
10N/01W-32J01 S	STEEN	P	S	W		M				8		C		C	S	2080	17	8-1961
10N/01W-32J02 S	STEEN	P	U	U		C	D	148	15	12	P	C	1951	N		2080	17	12-1961
10N/01W-32K01 S	E.STEEN	P	I	W		M				14		D		C		2080	13	5-1959
10N/01W-32N01 S	U.S.G.S.	F	U	O		M	GA	102	100	2	T	B	1971	A		2084	20	8-1971
10N/01W-32N02 S	U.S.G.S.	F	U	O		M	GA	80	78	2	T	B	1971	A		2084	21	9-1971
10N/01W-32N03 S	U.S.G.S.	F	U	O		M	GA	55	53	2	T	B	1971	A		2084	21	8-1971
10N/01W-32Q01 S	J.STURNACLE	P	U	U		M				12				N		2100	6	6-1958
10N/01W-32R02 S	U.S.G.S.	F	U	O		M	GA	51	49	2	T	B	1972	A		2072	17	2-1972
10N/01W-33E01 S	F.HARTLEY	P	H	W		M				8				C	T	2081	24	5-1967
10N/01W-33E02 S	C.MAYKEW	P	H	W		C				6		C	1955	C	S	2080	17	8-1961
10N/01W-33J01 S	SO.CALIF.WATER	N	U	U		M		150	50	12	P			N		2130	60	12-1961
10N/01W-33P02 S	C.COOLEY	P	U	U		M	D	87	50	10	P	C	1952			2070		
10N/01W-33Q02 S	F.CUNNINGHAM	P	H	W		P		107	48	8	P	H	1961	S		2085	40	11-1962
10N/02W-19P01 S	M.BOTT	P	H	W		C		190		12			1936	S	S	2216	83	2-1959
10N/02W-30N01 S	J.RECORD	P	U	U		C				60		D		N		2177	19	1-1934
10N/02W-30N03 S	J.RECORD	P	H	W		C				12		C		J	S	2180		
10N/02W-30N04 S	J.RECORD	P	I	W		C	D	135	45	12	F	C	1946	T	U	2180	54	5-1959
10N/02W-30Q05 S	H.PREST	P	H	W		C				8		C	1950	J	S	2175		
10N/02W-30R01 S	KNIGHTS OF COL.	N	H	W		M				10				P	6	2175		
10N/02W-30R02 S	J.ORTIZ	P	H	W		M				10		C	1949	T	U	2175	37	5-1959
10N/02W-32B01 S	E.SANCHEZ	P	H	W		C				14			1918	P	6	2174	31	12-1958
10N/02W-32N01 S	R.HUNT	P	I	W		C				16	F		1951	T	V	2175	30	12-1958
10N/02W-32Q01 S	R.HUNT	P	I	W		C				16		D		T	V	2172	36	3-1958
10N/02W-33Q01 S	HARTWICK	P	I	W		C				8		D	1947	T	U	2160	27	10-1958
10N/02W-36J01 S	K.SWALLOW	P	U	U		C							1915			2105	16	5-1959
10N/02W-36N07 S	HIGH SCHOOL	M	I	W		C	D	70	40	12	P	C	1955	T	U	2120	19	5-1959
10N/02W-36P01 S	MANSON	P	U	U		M		82		8		D	1914	N		2115	18	5-1959



TABLE 2.--Chemical

[Only those chemical constituents that may best indicate water-quality degradation have been listed. Results of constituents

Explanation of chemical abbreviations:

TEMP (C)	Temperature in degrees Celsius	NA	Dissolved sodium	CL	Dissolved chloride
SI02	Dissolved silica	K	Dissolved potassium	F	Fluoride
TOTAL FE	Iron	HCO3	Bicarbonate	NO2+NO3	Nitrite plus nitrate
CA	Calcium	CO3	Carbonate	NH4	Ammonia as nitrogen
MG	Magnesium	SO4	Dissolved sulfate	PO4	Orthophosphate

WELL NUMBER	DATE	DEPTH (FT)	TEMP (C)	SI02	TOTAL FE	CA	MG	NA	K	HCO3	CO3	SO4	CL	F	NO2+ NO3	NH4
<hr/>																
09N/01E-01E01	S 04-11-52	250	----	----	-----	34.0	6.0	41.0	1.8	183	0	23.0	21.0	.5	1.00	----
09N/01E-01L01	S 04-22-52	325	21.0	----	-----	38.0	6.8	48.0	----	187	0	36.0	28.0	.6	3.70	----
09N/01E-01L01	S 07-22-54	325	15.0	----	-----	34.0	6.0	45.0	1.4	181	0	27.0	16.0	.6	3.50	----
09N/01E-01L01	S 12-05-57	325	----	----	-----	45.0	9.0	54.0	1.5	201	0	47.0	34.0	.3	2.00	----
09N/01E-01L01	S 12-28-61	325	----	23.0	-----	43.0	7.0	54.0	1.6	212	0	36.0	28.0	.5	1.50	----
<hr/>																
09N/01E-01L01	S 04-06-64	325	----	----	-----	33.0	6.0	43.0	1.8	175	0	26.0	19.0	.7	1.30	----
09N/01E-01L01	S 01-24-65	325	----	----	-----	39.0	9.0	50.0	1.6	199	0	36.0	30.0	.6	4.50	----
09N/01E-01L01	S 06-10-65	325	----	----	-----	44.0	7.2	51.0	1.7	207	0	34.0	31.0	.6	4.10	----
09N/01E-01L01	S 12-20-65	325	----	----	-----	41.0	9.4	53.0	1.5	206	0	38.0	32.0	.6	4.70	----
09N/01E-01L01	S 07-20-66	325	----	----	-----	41.0	9.3	50.0	.0	204	0	36.0	33.0	.5	7.70	----
<hr/>																
09N/01E-01L01	S 01-03-67	325	----	----	-----	45.0	7.4	50.0	1.5	206	0	37.0	31.0	.5	4.30	----
09N/01E-01L01	S 08-30-67	325	----	----	-----	43.0	7.7	55.0	1.7	201	0	40.0	42.0	.4	2.50	----
09N/01E-01L01	S 03-11-68	325	----	----	-----	45.0	6.6	54.0	1.6	200	0	42.0	30.0	.6	4.60	----
09N/01E-01L01	S 09-11-68	325	----	----	-----	47.0	6.9	52.0	1.5	198	0	40.0	32.0	.5	4.30	----
09N/01E-01L01	S 03-13-69	325	----	----	-----	51.0	5.1	54.0	1.5	203	0	40.0	34.0	.5	3.70	----
<hr/>																
09N/01E-01L01	S 11-04-69	325	----	----	-----	40.0	7.9	51.0	1.7	190	5	37.0	29.0	.6	3.60	----
09N/01E-01L01	S 04-16-71	325	----	----	-----	40.0	6.8	52.0	1.6	198	0	34.0	25.0	.4	1.60	----
09N/01E-01L04	S 04-22-52	625	21.0	----	-----	38.0	6.8	48.0	----	187	0	36.0	28.0	.6	3.70	----
09N/01E-01L04	S 07-22-54	625	15.0	----	-----	34.0	6.0	45.0	1.4	181	0	27.0	16.0	.6	3.50	----
09N/01E-01L04	S 05-19-55	625	----	----	-----	39.0	4.8	50.0	1.7	181	0	35.0	30.0	.5	3.70	----
<hr/>																
09N/01E-01L04	S 09-14-55	625	----	----	-----	41.0	6.0	50.0	1.5	181	0	36.0	29.0	.6	6.50	----
09N/01E-01L04	S 04-18-56	625	----	----	-----	----	----	----	----	178	10	----	27.0	----	----	----
09N/01E-01L04	S 12-18-56	625	20.0	----	-----	----	----	----	----	186	0	----	33.0	----	----	----
09N/01E-01L04	S 07-09-57	625	----	----	-----	----	----	----	----	189	0	----	28.0	----	----	----
09N/01E-01L04	S 12-05-57	625	----	----	-----	38.0	7.0	47.0	1.3	180	0	33.0	24.0	.5	2.00	----
<hr/>																
09N/01E-01L04	S 10-15-58	625	25.0	22.0	-----	42.0	4.0	46.0	2.2	165	5	39.0	21.0	.3	4.20	----
09N/01E-01L04	S 03-24-59	625	22.0	21.0	-----	37.0	6.0	48.0	1.5	182	0	31.0	28.0	.8	2.00	----
09N/01E-01L04	S 05-27-59	625	----	----	-----	39.0	6.0	50.0	1.7	188	0	33.0	29.0	.6	2.70	----
09N/01E-01L04	S 11-02-59	625	----	----	-----	----	----	----	----	190	0	----	32.0	----	----	----
09N/01E-01L04	S 03-03-60	625	----	----	-----	38.0	6.0	50.0	1.2	190	0	30.0	34.0	.6	.10	----
<hr/>																
09N/01E-01L04	S 03-30-60	625	----	----	-----	----	----	----	----	180	0	----	28.0	----	----	----
09N/01E-01L04	S 08-25-60	625	----	24.0	-----	59.0	6.0	58.0	3.1	189	0	41.0	13.0	.5	3.00	----
09N/01E-01L04	S 12-16-60	625	21.0	----	-----	----	----	----	----	190	0	----	29.0	----	----	----
09N/01E-01L04	S 08-10-61	625	22.0	----	-----	----	----	----	----	192	0	----	26.0	----	----	----
09N/01E-01L04	S 12-28-61	625	----	----	-----	----	----	----	----	195	0	----	29.0	----	----	----
<hr/>																
09N/01E-01L04	S 04-11-62	625	----	28.0	-----	40.0	7.0	51.0	1.3	190	0	37.0	27.0	.4	3.10	----
09N/01E-01L04	S 07-17-63	625	----	20.0	-----	41.0	----	----	----	198	0	----	28.0	----	----	----
09N/01E-01L04	S 03-24-64	625	----	19.0	-----	44.0	5.9	51.0	1.5	200	0	36.0	30.0	.4	3.50	----
09N/01E-01L04	S 12-20-65	625	----	----	-----	41.0	9.3	54.0	1.6	206	0	38.0	30.0	.6	4.80	----
09N/01E-01L04	S 07-20-66	625	----	----	-----	48.0	7.0	52.0	1.3	206	0	29.0	39.0	.5	5.00	----
<hr/>																
09N/01E-01L04	S 01-03-67	625	----	----	-----	53.0	6.6	54.0	1.5	221	0	39.0	42.0	.4	5.50	----
09N/01E-01L04	S 08-30-67	625	----	----	-----	44.0	7.7	54.0	1.7	199	0	39.0	34.0	.5	5.00	----
09N/01E-01L04	S 03-11-68	625	----	----	-----	44.0	7.5	55.0	1.7	200	0	42.0	31.0	.6	4.80	----
09N/01E-01L04	S 09-11-68	625	----	----	-----	46.0	7.0	52.0	1.6	193	0	41.0	32.0	.6	4.80	----
09N/01E-01L04	S 03-13-69	625	----	----	-----	50.0	4.0	52.0	1.6	171	0	40.0	38.0	.4	4.90	----
<hr/>																
09N/01E-01L04	S 10-24-69	625	----	----	-----	38.0	9.6	52.0	1.7	200	0	38.0	30.0	.7	4.30	----
09N/01E-01L04	S 06-23-70	625	----	----	-----	39.0	7.7	51.0	1.5	195	0	37.0	31.0	.5	4.00	----
09N/01E-01L04	S 11-20-70	625	----	----	-----	42.0	6.1	47.0	1.5	196	0	21.0	29.0	.5	3.80	----
09N/01E-01L04	S 04-16-71	625	----	----	-----	36.0	9.0	52.0	1.6	192	0	35.0	27.0	.4	4.20	----
09N/01E-02F02	S 04-23-58	113	----	----	-----	36.0	6.0	47.0	----	165	0	32.0	32.0	.4	-----	----
<hr/>																
09N/01E-03H03	S 04-11-52	109	----	----	-----	38.0	7.0	52.0	2.2	171	0	44.0	39.0	.6	2.90	----
09N/01E-03P01	S 06-26-68	504	----	20.0	.01	38.0	6.7	87.0	4.4	204	0	68.0	50.0	.8	.10	----
09N/01E-03P02	S 07-14-69	400	----	22.0	.00	31.0	5.5	53.0	2.0	171	0	42.0	24.0	.1	3.60	----
09N/01E-03P02	S 10-16-69	400	----	23.0	.00	33.0	7.0	53.0	2.0	176	0	44.0	30.0	.7	.90	----
09N/01E-03P02	S 08-17-71	400	----	24.0	-----	37.0	4.9	50.0	2.6	173	0	28.0	36.0	.5	3.10	----
<hr/>																
09N/01E-03Q01	S 06-18-71	125	20.0	23.0	.04	44.0	7.8	52.0	2.7	175	0	63.0	45.0	.6	1.40	----
09N/01E-03Q02	S 06-19-71	155	19.5	----	.02	37.0	8.1	78.0	2.7	189	0	62.0	46.0	.6	1.40	----
09N/01E-04F01	S 04-10-52	100	----	----	-----	37.0	9.0	84.0	2.3	181	0	45.0	73.0	.6	1.20	----
09N/01E-04J01	S 03-10-52	260	----	24.0	-----	31.0	6.0	64.0	----	178	0	46.0	28.0	.5	-----	----
09N/01E-04J01	S 04-18-56	260	----	----	-----	31.0	4.0	67.0	1.9	180	0	46.0	30.0	.7	5.30	----



analyses of water

in milligrams per liter, except temperature, in degrees Celsius, specific conductance, in micromhos at 25°C, and pH]

B Boron COND Specific conductance AS Arsenic  
DS Dissolved-solids content PH Hydrogen ion concentration TOTAL CR Total chromium  
HARD. CARB. Carbonate hardness COD Chemical oxygen demand CR+6 Hexavalent chromium  
HARD. N.C. Noncarbonate hardness DOC Dissolved organic carbon CU Copper  
ALK. CAC03 Alkalinity MBAS Detergents TOTAL HG Total mercury

P04	B	DS	HARD. CARB.	HARD. N.C.	ALK. CAC03	COND	PH	COD	DOC	PHENOLS	OIL & GREASE	MBAS	AS	TOTAL CR	CR+6	CU	TOTAL HG
----	.10	241	----	----	----	357	7.9	----	----	----	----	----	----	----	----	----	----
----	.10	255	----	----	----	421	7.9	----	----	----	----	----	----	----	----	----	----
----	.08	253	----	----	----	377	7.7	----	----	----	----	----	----	----	----	----	----
----	.10	325	151	0	172	520	8.1	----	----	----	----	----	----	----	----	----	----
----	.20	295	135	0	----	483	8.1	----	----	----	----	----	----	----	----	----	----
----	.11	252	107	0	155	374	8.2	----	----	----	----	----	----	----	----	----	----
----	.12	288	135	0	163	479	7.5	----	----	----	----	----	----	----	----	----	----
----	.18	303	139	0	166	473	7.5	----	----	----	----	----	----	----	----	----	----
----	.18	307	141	0	169	499	7.6	----	----	----	----	----	----	----	----	----	----
----	.26	326	141	0	167	492	7.7	----	----	----	----	----	----	----	----	----	----
----	.15	286	143	0	169	490	7.8	----	----	----	----	----	----	----	----	----	----
----	.14	284	138	0	165	471	7.8	----	----	----	----	----	----	----	----	----	----
----	.14	285	139	0	164	494	8.1	----	----	----	----	----	----	----	----	----	----
----	.12	318	143	0	162	486	7.2	----	----	----	----	----	----	----	----	----	----
----	.13	290	147	0	166	472	8.3	----	----	----	----	----	----	----	----	----	----
----	.13	275	133	0	164	456	8.4	----	----	----	----	----	----	----	----	----	----
----	.11	332	128	0	163	481	7.9	----	----	----	----	----	----	----	----	----	----
----	.10	255	----	----	----	421	7.9	----	----	----	----	----	----	----	----	----	----
----	.08	253	----	----	----	377	7.7	----	----	----	----	----	----	----	----	----	----
----	.10	275	----	----	----	430	8.0	----	----	----	----	----	----	----	----	----	----
----	.10	288	----	----	----	417	7.6	----	----	----	----	----	----	----	----	----	----
----	----	----	125	----	----	369	8.4	----	----	----	----	----	----	----	----	----	----
----	----	----	123	----	----	440	7.8	----	----	----	----	----	----	----	----	----	----
----	----	----	113	0	----	450	7.8	----	----	----	----	----	----	----	----	----	----
----	.12	278	123	0	----	454	8.1	----	----	----	----	----	----	----	----	----	----
----	.28	270	123	----	----	452	8.4	----	----	----	----	----	----	----	----	----	----
----	.53	326	119	----	----	455	7.6	----	----	----	----	----	----	----	----	----	----
----	.13	259	123	0	----	444	7.5	----	----	----	----	----	----	----	----	----	----
----	----	----	124	----	----	456	7.5	----	----	----	----	----	----	----	----	----	----
----	.07	247	118	0	----	438	7.7	----	----	----	----	----	----	----	----	----	----
----	----	----	120	----	----	438	7.8	----	----	----	----	----	----	----	----	----	----
----	.10	266	120	0	----	462	7.4	----	----	----	----	----	----	----	----	----	----
----	----	----	127	0	----	455	7.5	----	----	----	----	----	----	----	----	----	----
----	----	----	126	0	----	465	7.3	----	----	----	----	----	----	----	----	----	----
----	----	----	129	0	----	462	7.7	----	----	----	----	----	----	----	----	----	----
----	.16	286	130	0	----	450	8.1	----	----	----	----	----	----	----	----	----	----
----	----	----	137	0	----	488	7.7	----	----	----	----	----	----	----	----	----	----
----	.16	280	133	0	----	435	8.0	----	----	----	----	----	----	----	----	----	----
----	.16	306	140	0	169	499	7.6	----	----	----	----	----	----	----	----	----	----
----	.16	344	148	0	169	513	8.3	----	----	----	----	----	----	----	----	----	----
----	.14	323	159	0	181	549	7.8	----	----	----	----	----	----	----	----	----	----
----	.18	293	141	0	163	501	7.5	----	----	----	----	----	----	----	----	----	----
----	.15	281	140	0	164	475	8.1	----	----	----	----	----	----	----	----	----	----
----	.14	342	141	0	158	489	7.1	----	----	----	----	----	----	----	----	----	----
----	.14	283	142	0	160	477	8.3	----	----	----	----	----	----	----	----	----	----
----	.15	269	135	0	164	453	7.9	----	----	----	----	----	----	----	----	----	----
----	.14	268	128	0	160	474	7.9	----	----	----	----	----	----	----	----	----	----
----	.10	275	129	0	161	501	7.8	----	----	----	----	----	----	----	----	----	----
----	.11	337	128	0	157	487	7.6	----	----	----	----	----	----	----	----	----	----
----	----	----	115	----	----	443	7.6	----	----	----	----	----	----	----	----	----	----
----	.23	298	----	----	----	437	7.9	----	----	----	----	----	----	----	----	----	----
----	.65	376	122	----	----	622	7.8	----	----	----	----	----	----	----	----	----	----
----	.15	267	100	0	----	435	8.0	----	----	----	----	----	----	----	----	----	----
----	.30	404	112	----	----	----	7.9	----	----	----	----	----	----	----	----	----	----
----	.10	317	112	----	----	453	7.0	----	----	----	----	----	----	----	----	----	----
----	.14	331	140	0	144	558	7.8	----	----	----	----	----	----	----	----	----	----
----	.12	358	130	0	155	557	8.0	----	----	----	----	----	----	----	----	----	----
----	.52	365	----	----	----	555	8.0	----	----	----	----	----	----	----	----	----	----
----	.40	270	102	----	----	----	8.2	----	----	----	----	----	----	----	----	----	----
----	.35	287	----	----	----	467	7.4	----	----	----	----	----	----	----	----	----	----



WELL NUMBER	DATE	DEPTH (FT)	TEMP (C)	SI02	TOTAL FE	CA	MG	NA	K	HC03	CO3	SO4	CL	F	NO2+ NO3	NH4
09N/01E-04J01	S 05-21-57	260	----	28.0	-----	-----	-----	-----	-----	-----	---	49.0	35.0	.8	-----	----
09N/01E-04J01	S 03-05-58	260	----	30.0	.20	-----	-----	-----	-----	-----	---	34.0	44.0	.8	-----	----
09N/01E-04J01	S 04-15-59	260	----	23.0	-----	-----	-----	-----	-----	-----	---	41.0	36.0	.7	-----	----
09N/01E-04J01	S 03-04-60	260	----	28.0	.20	-----	-----	-----	-----	-----	---	50.0	42.0	.8	.90	-----
09N/01E-04J01	S 11-15-60	260	19.0	26.0	-----	-----	-----	66.0	2.6	-----	---	49.0	38.0	.8	-----	----
09N/01E-04J01	S 12-06-62	260	----	19.0	.20	38.0	9.8	55.0	2.5	154	---	62.0	41.0	.7	.10	-----
09N/01E-04J01	S 04-16-64	260	----	20.0	.14	26.0	13.0	58.0	.9	176	---	44.0	46.0	.8	2.20	-----
09N/01E-04J01	S 11-06-64	260	----	23.0	.00	35.0	4.9	62.0	3.2	176	---	38.0	40.0	.9	.10	-----
09N/01E-04J01	S 04-28-66	260	----	19.0	.00	34.0	4.4	75.0	2.2	183	---	45.0	42.0	.7	4.40	-----
09N/01E-04J01	S 09-28-66	260	----	23.0	.00	34.0	5.4	84.0	2.3	185	---	48.0	40.0	.7	9.10	-----
09N/01E-04J01	S 03-22-67	260	----	19.0	.10	36.0	9.3	58.0	2.6	173	---	43.0	46.0	.8	6.90	-----
09N/01E-04J01	S 03-27-68	260	----	19.0	.00	36.0	8.3	57.0	2.4	166	0	59.0	42.0	.7	2.70	-----
09N/01E-04J01	S 10-16-69	260	----	23.0	.00	33.0	7.0	53.0	2.0	176	0	44.0	30.0	.7	.90	-----
09N/01E-04J02	S 12-06-62	350	----	21.0	.00	38.0	8.9	70.0	2.8	166	0	65.0	55.0	.7	.20	-----
09N/01E-04J02	S 04-16-64	350	----	21.0	.04	38.0	6.8	66.0	3.4	180	0	48.0	80.0	.8	-----	----
09N/01E-04J02	S 11-06-64	350	----	20.0	.00	43.0	7.8	65.0	3.3	183	0	48.0	56.0	.8	2.00	-----
09N/01E-04J02	S 04-18-66	350	----	21.0	.00	37.0	7.8	80.0	2.4	191	0	48.0	52.0	.7	7.10	-----
09N/01E-04J02	S 09-28-66	350	----	21.0	.10	42.0	7.8	86.0	2.5	190	0	50.0	58.0	.7	11.0	-----
09N/01E-04J02	S 03-22-67	350	----	21.0	.10	42.0	10.0	64.0	2.7	183	0	45.0	63.0	.8	9.10	-----
09N/01E-04J02	S 03-27-68	350	----	18.0	.00	43.0	6.8	64.0	2.6	178	0	63.0	56.0	.6	4.90	-----
09N/01E-04J02	S 10-16-69	350	----	22.0	.10	45.0	11.0	68.0	2.4	190	0	58.0	64.0	.7	5.30	-----
09N/01E-04J02	S 08-17-71	350	----	23.0	-----	51.0	12.0	60.0	2.9	185	0	49.0	74.0	.6	4.90	-----
09N/01E-04R01	S 05-21-57	174	----	30.0	-----	-----	-----	-----	-----	-----	---	44.0	26.0	.7	-----	----
09N/01E-04R01	S 03-05-58	174	----	27.0	.10	-----	-----	-----	-----	-----	---	33.0	34.0	.9	-----	----
09N/01E-04R01	S 03-04-60	174	----	26.0	.30	-----	-----	-----	-----	-----	---	50.0	36.0	.7	3.00	-----
09N/01E-04R01	S 11-15-60	174	19.0	24.0	-----	-----	-----	58.0	2.6	-----	---	49.0	36.0	.7	-----	----
09N/01E-04R01	S 12-06-62	174	----	14.0	-----	63.0	22.0	84.0	3.8	181	0	121.	107.	.7	11.0	-----
09N/01E-04R01	S 04-16-64	174	----	20.0	.04	48.0	7.2	60.0	1.6	166	0	70.0	60.0	.8	8.30	-----
09N/01E-04R01	S 11-06-64	174	----	21.0	.00	45.0	8.3	64.0	3.6	183	0	60.0	56.0	.9	3.50	-----
09N/01E-04R01	S 04-28-66	174	----	19.0	.00	48.0	5.9	72.0	2.5	178	0	58.0	52.0	.6	8.90	-----
09N/01E-04R01	S 09-28-66	174	----	20.0	.00	41.0	8.3	78.0	2.5	185	0	62.0	48.0	.7	12.0	-----
09N/01E-04R01	S 03-22-67	174	----	19.0	.00	37.0	7.8	62.0	2.6	176	0	46.0	45.0	.8	10.0	-----
09N/01E-04R01	S 03-27-68	174	----	19.0	.00	32.0	5.9	59.0	2.6	168	0	60.0	42.0	.8	2.70	-----
09N/01E-04R01	S 08-17-71	174	----	22.0	.00	39.0	7.0	55.0	2.5	171	0	45.0	42.0	.6	3.50	-----
09N/01E-05G02	S 05-20-55	125	----	-----	-----	43.0	4.0	80.0	6.2	129	0	92.0	75.0	.4	.00	-----
09N/01E-06H01	S 04-23-52	152	25.0	-----	-----	48.0	38.0	349.	-----	199	0	486.	258.	1.8	3.00	-----
09N/01E-06H01	S 11-12-54	152	-----	-----	-----	28.0	17.0	380.	7.8	232	0	424.	238.	3.5	10.0	-----
09N/01E-09E01	S 04-10-52	115	-----	-----	-----	46.0	1.0	104.	-----	193	0	72.0	68.0	.6	1.80	-----
09N/01E-10H01	S 06-21-68	441	-----	10.0	.02	39.0	5.1	95.0	5.4	212	0	79.0	54.0	.7	.10	-----
09N/01E-10L01	S 03-15-52	428	-----	-----	.10	20.0	6.0	39.0	-----	129	0	-----	12.0	.5	-----	----
09N/01E-10L01	S 04-18-56	428	-----	-----	-----	25.0	4.0	35.0	1.8	131	0	31.0	16.0	.6	2.40	-----
09N/01E-10L01	S 05-21-57	428	-----	30.0	-----	-----	-----	-----	-----	-----	---	30.0	22.0	.7	-----	----
09N/01E-10L01	S 03-05-58	428	-----	27.0	.00	-----	-----	-----	-----	-----	---	23.0	30.0	.6	-----	----
09N/01E-10L01	S 04-15-59	428	-----	23.0	-----	-----	-----	-----	-----	-----	---	21.0	22.0	.6	-----	----
09N/01E-10L01	S 03-04-60	428	-----	23.0	.30	-----	-----	-----	-----	-----	---	30.0	18.0	.6	-----	----
09N/01E-10L01	S 11-15-60	428	16.0	-----	-----	-----	-----	35.0	2.7	-----	---	35.0	18.0	.6	-----	----
09N/01E-10L01	S 12-06-62	428	-----	18.0	.10	26.0	5.9	40.0	2.2	122	0	51.0	19.0	.6	.10	-----
09N/01E-10L01	S 04-16-64	428	-----	20.0	.04	26.0	6.8	31.0	1.1	151	0	24.0	28.0	.7	.10	-----
09N/01E-10L01	S 11-06-64	428	-----	21.0	.00	27.0	5.9	38.0	2.6	137	0	29.0	25.0	.3	1.80	-----
09N/01E-10L01	S 04-18-66	428	-----	19.0	-----	34.0	2.9	43.0	2.2	144	0	36.0	19.0	.6	8.00	-----
09N/01E-10L01	S 09-28-66	428	-----	22.0	.00	30.0	3.4	50.0	1.8	156	0	38.0	22.0	.6	7.40	-----
09N/01E-10L01	S 03-22-67	428	-----	19.0	.10	32.0	4.9	39.0	2.1	144	0	36.0	24.0	.7	6.90	-----
09N/01E-10L01	S 03-27-68	428	-----	20.0	.00	30.0	4.4	34.0	2.1	146	0	45.0	18.0	.7	1.80	-----
09N/01E-10L01	S 06-09-68	428	-----	18.0	-----	-----	-----	36.0	1.9	-----	---	38.0	22.0	1.0	2.60	-----
09N/01E-10L01	S 09-26-68	428	-----	25.0	-----	-----	-----	39.0	2.0	-----	---	48.0	16.0	.6	3.50	-----
09N/01E-10L01	S 01-08-69	428	-----	19.0	.00	30.0	6.3	48.0	1.8	149	0	44.0	24.0	.6	6.60	-----
09N/01E-10L01	S 03-20-69	428	-----	22.0	.00	33.0	3.4	39.0	1.8	83	19	64.0	18.0	.7	-----	----
09N/01E-10L01	S 07-15-69	428	-----	21.0	.10	30.0	6.0	46.0	2.0	144	0	48.0	24.0	.6	.00	-----
09N/01E-10L01	S 09-30-69	428	-----	21.0	.00	32.0	5.0	46.0	1.9	149	0	53.0	20.0	.7	.00	-----
09N/01E-10L01	S 10-16-69	428	-----	22.0	.10	32.0	6.0	45.0	1.9	151	0	51.0	22.0	.7	2.20	-----
09N/01E-10L01	S 01- -70	428	-----	23.0	.00	33.0	6.8	44.0	2.5	146	0	55.0	24.0	.7	9.30	-----
09N/01E-10L01	S 04- -70	428	-----	22.0	.01	33.0	7.3	44.0	2.5	149	0	63.0	22.0	.7	3.50	-----
09N/01E-10L01	S 05-28-70	428	-----	19.0	.20	32.0	5.4	46.0	2.3	144	0	58.0	24.0	.7	2.60	-----
09N/01E-10L01	S 08-17-71	428	-----	23.0	-----	33.0	6.3	38.0	2.4	144	0	43.0	20.0	.6	3.10	-----
09N/01E-13E01	S 12-03-57	170	-----	-----	-----	22.0	11.0	68.0	3.0	191	7	11.0	55.0	.6	.00	-----
09N/01E-13E01	S 08-04-58	170	-----	-----	-----	-----	-----	-----	-----	117	0	-----	50.0	-----	-----	----
09N/01E-13E01	S 10-24-58	170	-----	-----	-----	-----	-----	-----	-----	207	0	-----	87.0	-----	-----	----
09N/01E-13E01	S 01-03-62	170	-----	-----	-----	75.0	11.0	139.	2.9	271	0	178.	89.0	.7	1.30	-----
09N/01E-13E01	S 04-06-64	170	-----	-----	-----	72.0	15.0	95.0	3.4	281	0	117.	72.0	.8	10.0	-----
09N/01E-13E01	S 01-15-65	170	-----	-----	-----	61.0	11.0	64.0	3.0	199	0	90.0	51.0	.7	12.0	-----



P04	B	DS	HARD. CARB.	HARD. N.C.	ALK. CAC03	COND	PH	COD	DOC	PHENOLS	OIL & GREASE	MBAS	AS	TOTAL CR	CR+6	CU	TOTAL HG
-----	-----	220	110	-----	-----	-----	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	340	106	-----	-----	-----	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.60	.10	305	104	-----	-----	433	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.70	340	98	-----	-----	485	8.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.10	1.00	385	108	-----	-----	550	8.1	-----	-----	-----	-----	.200	-----	-----	-----	-----	-----
-----	.30	300	134	-----	-----	440	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.33	225	116	-----	-----	325	7.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.10	295	108	-----	-----	424	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.40	316	102	-----	-----	-----	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.68	300	108	-----	-----	-----	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.00	316	128	-----	-----	-----	7.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.20	296	124	-----	-----	-----	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.30	404	112	-----	-----	-----	7.9	-----	-----	-----	-----	.020	-----	-----	-----	-----	-----
-----	.50	385	132	-----	-----	550	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.68	410	124	-----	-----	595	7.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.06	360	140	-----	-----	512	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.30	344	124	-----	-----	-----	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.48	372	136	-----	-----	-----	7.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.00	356	146	-----	-----	-----	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.40	324	136	-----	-----	-----	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.20	.19	424	159	-----	-----	-----	7.7	-----	-----	-----	-----	.010	-----	-----	-----	-----	-----
-----	.07	440	176	-----	-----	628	7.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	240	100	-----	-----	-----	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	300	108	-----	-----	-----	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.20	325	104	-----	-----	465	8.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.10	.40	365	112	-----	-----	525	7.6	-----	-----	-----	-----	.100	-----	-----	-----	-----	-----
-----	.60	595	250	-----	-----	850	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.12	425	164	-----	-----	630	7.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.36	335	146	-----	-----	479	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.04	352	144	-----	-----	-----	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.12	340	136	-----	-----	-----	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.00	328	124	-----	-----	-----	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.30	312	118	-----	-----	-----	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.23	351	128	-----	-----	502	7.1	-----	-----	-----	-----	.020	-----	-----	-----	.100	-----
-----	2.22	439	124	18	-----	656	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	3.90	1290	-----	-----	-----	2030	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	6.60	1230	140	0	-----	2010	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.40	432	-----	-----	-----	589	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.58	393	118	-----	-----	674	7.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.24	-----	84	-----	-----	-----	8.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.20	196	-----	-----	-----	310	7.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	180	94	-----	-----	-----	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	220	84	-----	-----	-----	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.30	.10	217	88	-----	-----	310	7.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.20	240	86	-----	-----	346	8.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.10	.20	320	100	-----	-----	460	7.0	-----	-----	-----	-----	.100	-----	-----	-----	-----	-----
-----	.30	250	88	-----	-----	360	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.10	230	92	-----	-----	346	7.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.83	265	92	-----	-----	380	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.30	232	96	-----	-----	-----	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.32	228	90	-----	-----	-----	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.00	216	100	-----	-----	-----	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.30	212	92	-----	-----	-----	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.27	248	88	-----	-----	-----	8.7	-----	-----	-----	-----	.070	-----	-----	-----	-----	-----
-----	.00	204	90	-----	-----	-----	6.8	-----	-----	-----	-----	.040	-----	-----	-----	-----	-----
-----	.91	248	100	-----	-----	-----	8.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.30	188	96	-----	-----	-----	8.4	-----	-----	-----	-----	.010	-----	-----	-----	-----	-----
-----	.00	252	100	-----	-----	-----	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.29	264	100	-----	-----	-----	7.2	-----	-----	-----	-----	.010	-----	-----	-----	-----	-----
.30	.11	356	105	-----	-----	-----	7.6	-----	-----	-----	-----	.020	-----	-----	-----	.100	-----
-----	.00	248	100	-----	-----	-----	8.0	-----	-----	-----	-----	.050	-----	-----	-----	-----	-----
.30	.05	204	112	-----	-----	-----	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.40	.03	224	102	-----	-----	-----	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.02	392	108	-----	-----	-----	6.9	-----	-----	-----	-----	.020	-----	-----	-----	-----	-----
-----	.62	276	99	0	168	516	8.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	80	0	96	414	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	211	41	170	414	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.85	616	232	10	222	1020	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.50	550	240	9	231	853	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.49	426	199	28	171	668	8.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



WELL NUMBER	DATE	DEPTH (FT)	TEMP (C)	SI02	TOTAL FE	CA	MG	NA	K	HC03	C03	S04	CL	F	NO2+ NO3	NH4
09N/01E-13E01 S	06-10-65	170	----	----	----	53.0	11.0	82.0	2.7	210	0	93.0	57.0	.5	5.80	----
09N/01E-13E01 S	07-20-66	170	----	----	----	57.0	11.0	83.0	2.3	223	0	95.0	62.0	.6	5.50	----
09N/01E-13E01 S	12-28-66	170	----	----	----	58.0	10.0	83.0	2.7	226	0	92.0	55.0	.7	7.00	----
09N/01E-13E01 S	09-28-67	170	----	----	----	52.0	10.0	87.0	2.5	209	0	100.	61.0	.6	5.20	----
09N/01E-13E01 S	03-11-68	170	----	----	----	75.0	17.0	102.	3.4	293	0	127.	71.0	.6	16.0	----
09N/01E-13E01 S	09-11-68	170	----	----	----	52.0	11.0	78.0	2.5	205	0	96.0	50.0	.7	4.60	----
09N/01E-13E01 S	11-04-69	170	----	----	----	57.0	11.0	78.0	2.6	193	7	94.0	58.0	.7	6.60	----
09N/01E-13E01 S	07-06-70	170	----	----	----	85.0	15.0	106.	3.6	320	0	128.	77.0	.6	17.0	----
09N/01E-13E01 S	11-25-70	170	----	----	----	109.	20.0	98.0	3.8	240	0	218.	91.0	.6	26.0	----
09N/01E-13E01 S	04-23-71	170	----	----	----	112.	19.0	94.0	4.1	229	0	217.	89.0	.6	29.0	----
09N/01E-13E02 S	01-15-57	174	17.0	9.0	----	119.	32.0	97.0	4.7	156	0	155.	243.	.7	13.0	----
09N/01E-13E02 S	12-03-57	174	----	----	----	50.0	8.0	135.	2.2	210	0	149.	70.0	.7	17.0	----
09N/01E-13E02 S	03-28-58	174	----	----	----	-----	-----	-----	-----	195	0	-----	113.	-----	-----	----
09N/01E-13E02 S	10-01-58	174	----	----	----	-----	-----	-----	-----	207	0	-----	87.0	-----	-----	----
09N/01E-13E02 S	04-06-59	174	21.0	20.0	----	65.0	14.0	143.	1.8	256	0	158.	106.	.5	17.0	----
09N/01E-13E02 S	05-27-59	174	----	----	----	48.0	5.0	143.	1.2	239	0	132.	73.0	.6	10.0	----
09N/01E-13E02 S	03-02-60	174	----	----	----	34.0	5.0	140.	2.2	220	0	96.0	76.0	.4	13.0	----
09N/01E-13E02 S	04-06-64	174	----	----	----	93.0	16.0	120.	3.1	336	0	165.	100.	.6	14.0	----
09N/01E-13E02 S	01-15-65	174	----	----	----	-----	-----	112.	3.7	313	0	139.	83.0	.7	20.0	----
09N/01E-13E02 S	06-10-65	174	----	----	----	90.0	21.0	107.	3.7	325	0	135.	83.0	.7	9.50	----
09N/01E-13E02 S	07-20-66	174	----	----	----	90.0	16.0	106.	3.4	324	0	125.	80.0	.6	18.0	----
09N/01E-13E02 S	12-28-66	174	----	----	----	90.0	17.0	111.	3.7	324	0	130.	80.0	.6	18.0	----
09N/01E-13E02 S	09-28-67	174	----	----	----	78.0	15.0	107.	3.3	229	0	135.	81.0	.5	19.0	----
09N/01E-13E02 S	03-05-68	174	----	----	----	91.0	17.0	107.	4.0	325	0	138.	81.0	.3	20.0	----
09N/01E-13E02 S	09-11-68	174	----	----	----	90.0	15.0	103.	3.5	303	0	135.	78.0	.6	22.0	----
09N/01E-13E02 S	11-05-69	174	----	----	----	82.0	17.0	104.	3.7	302	0	139.	75.0	.6	19.0	----
09N/01E-13E02 S	07-06-70	174	----	----	----	91.0	18.0	92.0	3.8	210	0	205.	89.0	.5	11.0	----
09N/01E-13E02 S	11-25-70	174	----	----	----	91.0	17.0	111.	3.9	329	0	139.	80.0	.5	22.0	----
09N/01E-13E02 S	04-16-71	174	----	----	----	91.0	16.0	110.	4.0	329	0	134.	76.0	.6	22.0	----
09N/01E-14G01 S	05-27-57	478	----	30.0	----	40.0	10.0	55.0	2.3	183	0	71.0	30.0	.3	2.30	----
09N/01E-14G01 S	08-09-57	478	----	21.0	----	38.0	12.0	52.0	-----	174	0	70.0	28.0	-----	2.00	----
09N/01E-14G01 S	04-06-59	478	21.0	10.0	----	53.0	16.0	134.	3.4	239	0	138.	105.	.3	.40	----
09N/01E-14M01 S	03-27-52	385	----	19.0	----	38.0	11.0	48.0	-----	173	0	56.0	31.0	.8	1.50	----
09N/01E-14M01 S	05-27-57	385	----	20.0	----	62.0	18.0	87.0	3.1	250	0	112.	63.0	.0	9.00	----
09N/01E-14M01 S	04-15-58	385	20.0	24.0	----	72.0	15.0	84.0	2.7	247	0	117.	67.0	.6	19.0	----
09N/01E-14M01 S	04-06-59	385	20.0	25.0	----	85.0	18.0	94.0	3.5	298	0	140.	77.0	.5	14.0	----
09N/01E-15K01 S	05-09-56	390	----	21.0	----	56.0	10.0	77.0	-----	238	0	90.0	48.0	-----	7.00	----
09N/01E-15K01 S	05-28-57	390	----	20.0	----	55.0	13.0	82.0	3.1	232	0	91.0	55.0	.7	7.50	----
09N/01E-15K01 S	04-15-58	390	20.0	25.0	----	61.0	13.0	82.0	2.7	235	0	97.0	59.0	.7	19.0	----
09N/01E-15N01 S	08-01-51	134	----	----	----	27.0	2.9	90.0	-----	264	0	97.0	53.0	.9	9.90	----
09N/01E-15N01 S	07-22-54	134	14.0	----	----	69.0	13.0	-----	2.3	278	0	110.	57.0	.6	12.0	----
09N/01E-15N01 S	05-14-55	134	----	15.0	.00	67.0	14.0	89.0	2.8	268	0	105.	64.0	.4	6.80	----
09N/01E-15N01 S	09-14-55	134	----	----	----	-----	-----	-----	-----	268	0	-----	70.0	-----	-----	----
09N/01E-15N01 S	04-18-56	134	----	----	----	84.0	13.0	111.	2.4	299	0	133.	83.0	.3	12.0	----
09N/01E-15N01 S	07-09-57	134	----	20.0	----	59.0	5.0	68.0	1.2	168	0	55.0	39.0	.3	7.50	----
09N/01E-15N01 S	08-25-60	134	----	20.0	----	59.0	42.0	99.0	3.9	291	0	146.	99.0	.3	14.0	----
09N/01E-15N02 S	05-09-56	504	----	23.0	----	70.0	12.0	99.0	-----	290	0	115.	60.0	-----	6.00	----
09N/01E-15N02 S	12-03-57	504	----	----	----	88.0	16.0	98.0	2.7	289	0	126.	89.0	.4	6.50	----
09N/01E-15N02 S	04-15-58	504	----	27.0	----	77.0	15.0	103.	2.4	284	0	124.	80.0	.6	10.0	----
09N/01E-15N02 S	10-15-58	504	----	22.0	----	75.0	13.0	85.0	2.4	229	15	118.	71.0	.2	7.30	----
09N/01E-15N02 S	03-24-59	504	20.0	27.0	----	78.0	13.0	93.0	3.1	273	0	118.	81.0	.4	.30	----
09N/01E-15N02 S	05-07-59	504	----	----	.12	70.0	15.0	90.0	2.6	270	0	115.	72.0	.7	3.20	----
09N/01E-15N02 S	05-27-59	504	----	----	----	80.0	14.0	94.0	2.9	278	0	117.	78.0	.5	3.80	----
09N/01E-15N02 S	11-02-59	504	18.0	----	----	-----	-----	-----	-----	270	0	-----	81.0	-----	-----	----
09N/01E-15N02 S	03-02-60	504	----	----	----	78.0	13.0	97.0	2.8	276	0	119.	78.0	.6	.30	----
09N/01E-15N02 S	03-30-60	504	----	----	----	-----	-----	-----	-----	278	0	-----	82.0	-----	-----	----
09N/01E-15N02 S	08-25-60	504	----	20.0	----	57.0	43.0	104.	2.0	291	0	151.	99.0	.4	.10	----
09N/01E-15N02 S	12-16-60	504	----	----	----	90.0	16.0	111.	3.6	317	0	134.	91.0	.3	5.50	----
09N/01E-15N02 S	08-09-61	504	----	34.0	----	107.	23.0	114.	3.3	361	0	155.	106.	.4	12.0	----
09N/01E-15N02 S	12-21-61	504	----	29.0	----	86.0	14.0	108.	3.0	288	0	132.	92.0	.6	7.00	----
09N/01E-15N02 S	04-09-62	504	----	32.0	----	102.	18.0	120.	2.3	328	0	159.	106.	.3	14.0	----
09N/01E-15N02 S	07-16-63	504	----	33.0	----	80.0	16.0	117.	2.9	303	0	140.	86.0	.5	6.50	----
09N/01E-15N02 S	03-23-64	504	----	24.0	----	90.0	19.0	123.	3.1	324	0	162.	99.0	.2	8.30	----
09N/01E-15N02 S	04-06-64	504	----	----	----	95.0	18.0	120.	3.2	336	0	166.	101.	.6	14.0	----
09N/01E-15N02 S	01-15-65	504	----	----	----	88.0	17.0	131.	3.1	355	0	145.	99.0	.8	6.30	----
09N/01E-15N02 S	06-10-65	504	----	----	----	84.0	19.0	130.	3.2	332	0	140.	96.0	.6	5.90	----
09N/01E-15N02 S	12-27-65	504	----	----	----	94.0	20.0	135.	3.3	361	0	157.	102.	.6	8.10	----
09N/01E-15N02 S	07-14-66	504	----	----	----	92.0	16.0	140.	3.5	368	0	152.	101.	.5	5.80	----
09N/01E-15N02 S	12-28-66	504	----	----	----	94.0	19.0	145.	3.1	387	0	156.	97.0	.5	5.00	----
09N/01E-15N02 S	08-30-67	504	----	----	----	98.0	14.0	137.	3.3	364	0	160.	105.	.5	4.50	----



P04	B	DS	HARD. CARB.	HARD. N.C.	ALK. CAC03	COND	PH	COD	DOC	PHENOLS	OIL & GREASE	MBAS	AS	TOTAL CR	CR+6	CU	TOTAL HG
----	.47	429	175	3	172	700	8.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.44	464	189	6	183	714	8.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.50	411	187	2	185	704	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.48	449	171	0	171	721	8.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.62	554	257	17	240	872	8.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.42	446	174	6	168	662	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.42	412	186	1	185	668	8.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.57	595	276	14	162	1020	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.61	636	354	158	196	1110	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.64	639	355	167	188	1120	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.40	1020	428	-----	-----	1300	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.94	556	159	0	-----	922	8.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	249	89	-----	1020	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	211	41	-----	977	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.58	659	221	-----	-----	1050	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.88	544	140	0	-----	888	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.82	506	104	0	-----	855	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.52	725	308	33	275	1010	8.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.68	660	296	18	278	-----	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.68	642	309	43	266	1030	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.64	654	290	25	265	919	8.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.64	607	295	30	265	1010	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.65	614	258	20	238	953	8.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.60	645	297	31	266	1010	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.60	653	284	36	248	987	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.60	549	274	26	248	879	8.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.53	640	302	30	172	934	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.62	586	298	29	269	1040	7.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.63	694	294	25	269	1070	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.43	356	142	-----	-----	555	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	316	145	-----	-----	488	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.74	585	197	-----	-----	967	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.84	291	142	-----	-----	420	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.30	566	-----	-----	-----	855	7.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.66	419	240	-----	-----	835	7.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.58	620	288	-----	-----	958	7.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	362	182	0	-----	716	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.12	520	191	1	-----	755	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.75	456	208	15	-----	737	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.50	529	-----	-----	-----	870	8.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.26	514	225	0	-----	787	7.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.47	504	-----	-----	-----	820	8.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	240	-----	-----	796	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.32	606	-----	-----	-----	950	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.38	312	100	0	-----	505	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.33	654	321	82	-----	1070	7.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	455	225	-----	-----	884	7.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.36	625	286	49	-----	978	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.50	581	255	22	-----	904	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.22	534	240	-----	-----	850	8.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.62	648	250	-----	-----	890	7.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	238	-----	221	-----	7.7	-----	-----	.000	.000	.100	-----	.000	.000	.000	-----
----	.33	541	254	26	223	886	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	251	-----	-----	882	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.38	544	246	20	-----	908	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.20	-----	262	-----	-----	926	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.37	646	320	81	-----	1070	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.51	696	289	29	-----	990	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.48	719	360	64	-----	1190	7.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.56	625	273	37	-----	977	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.62	712	327	59	-----	1100	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.50	610	266	18	-----	1000	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.58	686	303	38	-----	990	8.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.54	722	310	35	275	1080	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.00	695	288	0	290	1110	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.59	664	287	15	272	1060	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.66	671	319	24	295	1160	7.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.65	736	298	4	302	1140	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.70	725	313	0	318	1190	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.65	727	303	4	299	1140	7.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



WELL NUMBER	DATE	DEPTH (FT)	TEMP (C)	SI02	TOTAL FE	CA	MG	NA	K	HC03	CO3	SO4	CL	F	NO2+ NO3	NH4
09N/01E-15N02	S 03-11-68	504	----	----	----	100.	19.0	130.	3.5	381	0	163.	104.	.5	5.20	----
09N/01E-15N02	S 09-11-68	504	----	----	----	101.	17.0	133.	3.1	354	0	161.	112.	.5	1.00	----
09N/01E-15N02	S 05-06-69	504	----	----	----	93.0	16.0	139.	3.0	339	0	164.	103.	.3	4.80	----
09N/01E-15N02	S 11-04-69	504	----	----	----	95.0	14.0	128.	3.2	362	0	147.	93.0	.6	6.00	----
09N/01E-15N02	S 07-06-70	504	----	----	----	97.0	15.0	136.	3.4	375	0	154.	105.	.5	4.90	----
09N/01E-15N02	S 11-20-70	504	----	----	----	98.0	16.0	136.	3.2	381	0	150.	97.0	.4	5.70	----
09N/01E-15N02	S 04-16-71	504	----	----	----	82.0	26.0	156.	3.5	376	0	174.	113.	.5	1.90	----
09N/01E-16201	S 09-13-17	100	----	79.0	.04	28.0	9.5	108.	----	132	39	86.0	46.0	----	1.10	----
09N/01E-17H01	S 06-01-70	135	----	----	----	----	----	----	----	----	0	----	----	----	6.20	----
09N/01E-17H01	S 03-07-72	135	----	----	----	----	----	----	----	----	----	----	----	----	----	.000
09N/01E-17H01	S 03-20-72	135	20.0	28.0	.02	50.0	10.0	60.0	3.2	183	0	86.0	36.0	.7	2.10	----
09N/01E-17H01	S 06-01-72	135	----	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01E-18001	S 03-07-72	101	----	----	----	----	----	----	----	----	----	----	----	----	----	.000
09N/01E-18001	S 03-14-72	101	19.5	29.0	.04	89.0	16.0	110.	3.8	254	0	140.	120.	.5	2.10	----
09N/01E-18001	S 03-28-72	101	19.5	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01E-19J01	S 06-24-66	660	29.0	20.0	.10	142.	7.8	488.	8.0	71	0	1150.	122.	4.8	6.10	----
09N/01E-19J03	S 06-07-66	252	----	24.0	.10	8.0	26.0	260.	4.6	93	0	420.	126.	2.5	16.6	----
09N/01E-19J05	S 07-06-66	255	28.0	27.0	.10	38.0	2.9	196.	3.5	132	0	290.	86.0	1.6	5.00	----
09N/01E-19J05	S 10-16-69	255	----	25.1	.30	38.0	5.5	200.	2.7	127	0	300.	58.0	1.4	8.90	----
09N/01E-19J05	S 03-07-72	255	----	----	----	----	----	----	----	----	0	----	----	----	----	.000
09N/01E-19J05	S 03-15-72	255	26.5	28.0	----	110.	2.4	440.	5.4	83	0	930.	96.0	3.2	4.60	----
09N/01E-19J05	S 03-30-72	255	23.8	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01E-20A01	S 04-10-52	311	----	----	----	45.0	4.0	295.	4.5	100	0	548.	89.0	2.2	4.30	----
09N/01E-20B01	S 08-01-51	242	----	----	----	83.0	8.0	616.	----	128	0	1250.	124.	----	2.40	----
09N/01E-20B01	S 05-30-62	242	----	12.0	----	58.0	23.0	522.	4.8	126	0	1080.	117.	3.1	.00	----
09N/01E-20R01	S 03-22-66	450	----	29.0	.00	10.0	1.0	110.	2.5	129	0	63.0	38.0	.8	42.0	----
09N/01E-20R01	S 04-15-66	450	----	30.0	.00	9.6	1.7	119.	2.6	116	0	71.0	38.0	1.3	42.0	----
09N/01E-20R01	S 06-28-67	450	27.0	30.0	.03	9.6	.8	106.	2.3	119	2	73.0	37.0	.9	36.0	----
09N/01E-21F01	S 07-21-32	300	----	----	----	25.0	4.0	128.	----	146	0	144.	46.0	----	27.0	----
09N/01E-21F01	S 11-12-58	300	----	----	----	58.0	6.0	258.	4.6	107	0	506.	79.0	2.2	3.00	----
09N/01E-21H01	S 02-27-57	398	----	----	----	55.0	5.0	230.	4.2	134	0	452.	73.0	2.0	4.50	----
09N/01E-21H01	S 09-29-58	398	----	----	----	58.0	6.0	258.	4.6	107	0	506.	79.0	2.2	3.00	----
09N/01E-21L01	S 04-11-52	426	----	----	----	31.0	3.0	140.	----	124	0	183.	60.0	1.2	21.0	----
09N/01E-21L01	S 03-07-72	426	----	----	----	----	----	----	----	----	----	----	----	----	----	.080
09N/01E-21L01	S 03-15-72	426	26.0	37.0	.02	58.0	6.0	190.	5.4	111	0	360.	77.0	1.1	5.70	----
09N/01E-22B02	S 04-15-58	253	----	31.0	----	52.0	9.0	117.	2.0	244	0	121.	55.0	.7	25.0	----
09N/01E-22D01	S 04-10-52	152	----	----	----	49.0	2.0	155.	2.2	361	0	66.0	61.0	.4	28.0	----
09N/01E-23D01	S 04-15-58	135	22.0	12.0	----	46.0	9.0	209.	2.7	284	0	162.	156.	1.0	1.60	----
09N/02E-03A02	S 01-21-32	80	----	----	----	75.0	15.0	93.0	----	304	0	114.	46.0	----	2.00	----
09N/02E-03A02	S 04-08-59	80	----	30.0	----	62.0	9.0	78.0	1.8	188	0	143.	36.0	.7	13.0	----
09N/02E-03C01	S 04-07-59	60	23.0	30.0	----	30.0	6.0	84.0	1.4	173	0	72.0	47.0	.8	.50	----
09N/02E-03G01	S 05-01-58	43	21.0	25.0	----	56.0	12.0	53.0	1.5	189	0	101.	40.0	.4	.00	----
09N/02E-03K01	S 01-23-53	53	----	----	----	40.0	10.0	53.0	1.1	205	0	36.0	28.0	.8	.50	----
09N/02E-03K01	S 04-07-59	53	----	28.0	----	60.0	8.0	52.0	1.3	195	0	73.0	34.0	.5	2.40	----
09N/02E-03K01	S 05-07-59	53	----	----	.22	49.0	8.7	50.0	1.0	195	0	74.0	22.0	.6	.70	----
09N/02E-03K01	S 11-02-59	53	----	24.0	----	40.0	7.0	48.0	1.6	193	0	41.0	30.0	.6	.00	----
09N/02E-03K01	S 03-30-60	53	----	----	----	----	----	----	----	190	0	----	25.0	----	----	----
09N/02E-03K01	S 12-16-60	53	----	----	----	----	----	----	----	194	0	----	24.0	----	----	----
09N/02E-03K01	S 08-09-61	53	----	----	----	----	----	----	----	198	0	----	22.0	----	----	----
09N/02E-03K01	S 12-28-61	53	----	----	----	----	----	----	----	207	0	----	25.0	----	----	----
09N/02E-03K01	S 04-11-62	53	----	----	----	----	----	----	----	198	0	----	24.0	----	----	----
09N/02E-03K01	S 07-17-63	53	18.0	23.0	----	33.0	7.9	50.0	1.0	188	0	34.0	24.0	.6	1.80	----
09N/02E-03K01	S 03-24-64	53	18.0	19.0	----	36.0	7.9	56.0	1.0	199	0	41.0	21.0	.4	.00	----
09N/02E-03K02	S 04-07-59	108	21.0	20.0	----	34.0	6.5	43.0	1.3	193	0	22.0	20.0	.4	1.00	----
09N/02E-03Z01	S 11-05-19	----	----	32.0	.72	43.0	7.4	68.0	----	246	0	38.0	32.0	----	----	----
09N/02E-06D01	S 10-20-48	150	----	20.0	.60	51.0	12.0	52.0	----	207	0	37.0	32.0	.4	1.40	----
09N/02E-06D01	S 04-22-52	150	22.0	----	----	45.0	11.0	46.0	----	208	0	35.0	30.0	.4	4.30	----
09N/02E-06D01	S 01-12-59	150	----	----	----	43.0	6.0	51.0	1.2	198	0	31.0	28.0	.7	1.00	----
09N/02E-06D02	S 01-12-59	94	----	----	----	39.0	5.0	59.0	.8	195	0	36.0	30.0	.8	1.00	----
09N/02E-06D03	S 01-12-59	93	----	----	----	41.0	5.0	53.0	1.0	193	0	33.0	27.0	.6	1.00	----
09N/02E-08K01	S 10-28-19	171	----	26.0	.17	30.0	7.1	40.0	----	177	0	24.0	14.0	----	1.00	----
09N/02E-08N02	S 04-11-52	295	----	----	----	33.0	5.0	42.0	1.4	163	0	33.0	21.0	.5	3.40	----
09N/02E-08N02	S 07-22-54	295	13.0	----	----	32.0	7.0	43.0	.3	171	0	32.0	16.0	.7	7.50	----
09N/02E-08N02	S 05-19-55	295	22.0	13.0	.00	29.0	6.1	39.0	1.4	154	0	20.0	20.0	.5	5.00	----
09N/02E-08N02	S 12-18-56	295	18.0	----	----	----	----	----	----	149	0	----	20.0	----	----	----
09N/02E-08N02	S 12-04-57	295	----	----	----	29.0	5.0	39.0	.8	148	0	26.0	17.0	.6	2.00	----
09N/02E-08N02	S 03-26-58	295	----	----	----	----	----	----	----	142	0	----	19.0	----	----	----
09N/02E-08N02	S 10-15-58	295	----	25.0	----	32.0	5.0	38.0	5.8	134	6	31.0	14.0	.4	3.80	----
09N/02E-08N02	S 04-08-59	295	21.0	25.0	----	49.0	9.0	52.0	1.2	205	0	48.0	35.0	.6	4.00	----
09N/02E-08N02	S 05-27-59	295	----	----	----	45.0	6.0	53.0	1.1	195	0	42.0	30.0	.5	2.70	----



P04	B	DS	HARD. CARB.	HARD. N.C.	ALK. CAC03	COND	PH	COD	DOC	PHENOLS	OIL & GREASE	MBAS	AS	TOTAL CR	CR+6	CU	TOTAL HG
----	.71	690	326	14	312	1170	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.66	750	317	27	290	1150	6.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.67	703	297	7	290	1090	8.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.64	680	293	0	300	1060	8.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.57	704	305	0	308	1110	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.56	716	309	0	312	1220	7.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.70	819	311	0	324	1310	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	450	109	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.17	-----	-----	-----	-----	600	8.3	-----	-----	-----	-----	.010	-----	-----	-----	-----	-----
----	.19	-----	-----	-----	-----	-----	-----	1.00	-----	-----	.300	.005	-----	-----	-----	-----	-----
----	.28	374	170	16	150	580	7.4	-----	.200	-----	-----	-----	.006	-----	-----	-----	-----
----	-----	-----	-----	-----	-----	-----	-----	-----	-----	.012	-----	-----	-----	.000	.000	-----	-----
----	.08	-----	-----	-----	-----	-----	-----	8.00	-----	-----	1.10	.000	-----	-----	-----	-----	-----
----	.64	643	290	80	208	1060	7.7	-----	.900	-----	-----	-----	.009	-----	-----	-----	-----
----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	18.0	2320	388	330	-----	-----	7.7	-----	-----	-----	-----	.080	-----	-----	-----	-----	-----
----	6.50	1110	128	-----	-----	-----	8.2	-----	-----	-----	-----	.600	-----	-----	-----	-----	-----
----	.10	836	106	2	-----	-----	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	5.10	840	116	-----	-----	-----	9.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.01	-----	-----	-----	-----	-----	-----	2.00	-----	-----	.800	.015	-----	-----	-----	-----	-----
----	-----	1700	280	220	68	2260	8.2	-----	.300	-----	-----	-----	.015	-----	-----	-----	-----
----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	8.10	1150	-----	-----	-----	1500	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	32.0	2300	-----	-----	-----	2860	8.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	27.0	2010	136	-----	-----	2580	8.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.40	352	30	-----	-----	-----	8.1	-----	-----	-----	-----	.050	-----	-----	-----	-----	-----
----	.40	356	31	-----	-----	-----	8.4	-----	-----	-----	-----	.030	-----	-----	-----	-----	-----
----	.60	370	28	0	-----	558	8.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.61	446	-----	-----	-----	732	8.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	8.00	1020	170	74	96	1500	8.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	7.00	970	157	0	-----	1380	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	8.00	1020	170	74	-----	1500	8.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	1.70	578	-----	-----	-----	781	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.02	-----	-----	-----	-----	-----	-----	0.00	-----	-----	.300	.020	-----	-----	.020	-----	-----
----	3.20	818	170	78	91	1230	7.6	-----	.100	-----	-----	-----	.020	-----	-----	-----	-----
----	1.20	507	165	0	-----	795	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	1.00	615	-----	-----	-----	858	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	1.50	843	150	-----	-----	1230	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.40	420	249	-----	-----	797	8.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.30	470	189	-----	-----	693	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.84	355	100	-----	-----	567	7.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.00	382	190	-----	-----	566	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.20	297	142	26	-----	485	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.06	370	183	-----	-----	528	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	365	158	-----	160	-----	7.8	-----	-----	.000	.000	.100	-----	.000	.000	.000	-----
----	.20	345	132	-----	-----	466	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	136	-----	-----	476	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	142	0	-----	511	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	151	0	-----	505	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	138	0	-----	489	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.17	297	115	0	-----	470	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.20	286	122	0	-----	420	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.00	253	112	-----	-----	389	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	353	138	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.00	284	176	6	-----	481	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.10	272	-----	-----	-----	462	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.06	297	132	0	-----	461	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.12	301	119	0	-----	467	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.06	291	123	0	-----	449	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.11	238	104	-----	-----	350	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.10	246	109	0	-----	362	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.12	228	-----	-----	-----	273	8.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	90	-----	-----	330	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.10	230	95	0	-----	343	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	95	0	-----	359	8.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.22	228	100	-----	-----	356	8.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.14	320	156	0	-----	525	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.13	272	138	0	-----	468	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



WELL NUMBER	DATE	DEPTH (FT)	TEMP (C)	SI02	TOTAL FE	CA	MG	NA	K	HC03	C03	S04	CL	F	NO2+ NO3	NH4
09N/02E-08N02	S 11-02-59	295	19.0	23.0	-----	43.0	7.0	49.0	1.6	197	0	41.0	30.0	.7	1.00	----
09N/02E-08N02	S 03-02-60	295	-----	-----	-----	34.0	7.0	45.0	1.0	181	0	33.0	22.0	.7	.20	----
09N/02E-08N02	S 03-30-60	295	-----	23.0	-----	31.0	7.0	44.0	1.6	168	0	33.0	21.0	.6	3.50	----
09N/02E-08N02	S 08-25-60	295	20.0	14.0	-----	28.0	11.0	46.0	1.6	167	0	36.0	34.0	.6	1.00	----
09N/02E-08N02	S 12-16-60	295	20.0	18.0	-----	24.0	6.0	37.0	1.3	147	0	14.0	24.0	.6	1.40	----
09N/02E-08N02	S 08-09-61	295	-----	26.0	-----	29.0	6.7	39.0	1.3	159	0	27.0	19.0	.6	2.60	----
09N/02E-08N02	S 12-28-61	295	-----	-----	-----	-----	-----	-----	-----	176	0	-----	18.0	-----	-----	----
09N/02E-08N02	S 04-11-62	295	-----	-----	-----	-----	-----	-----	-----	162	0	-----	17.0	-----	-----	----
09N/02E-08N02	S 07-16-63	295	-----	27.0	-----	33.0	6.1	43.0	1.3	171	0	30.0	21.0	.6	2.50	----
09N/02E-08N02	S 03-23-64	295	-----	17.0	-----	32.0	4.9	44.0	1.2	170	0	34.0	14.0	.4	1.70	----
09N/02E-10D02	S 04-08-59	110	21.0	30.0	-----	31.0	8.0	41.0	1.2	181	0	24.0	16.0	.6	1.50	----
09N/02E-10G01	S 04-07-59	23	22.0	25.0	-----	33.0	7.0	42.0	1.0	188	0	21.0	18.0	.6	1.50	----
09N/02E-11H01	S 04-07-59	140	-----	25.0	-----	22.0	5.0	58.0	1.6	168	0	28.0	24.0	.4	.50	----
09N/02E-11H01	S 04-21-70	140	25.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----
09N/02E-11R01	S 04-07-59	50	-----	30.0	-----	38.0	7.0	44.0	.8	207	0	20.0	18.0	.6	1.00	----
09N/02E-13Q01	S 08-27-54	230	-----	-----	-----	28.0	2.0	54.0	1.4	176	5	21.0	17.0	.4	4.50	----
09N/02E-14N01	S 11-05-56	95	-----	-----	-----	39.0	6.0	43.0	.6	190	0	24.0	23.0	.7	1.00	----
09N/02E-18B01	S 04-08-59	150	-----	20.0	-----	39.0	8.1	44.0	1.9	156	0	43.0	36.0	.4	5.70	----
09N/02E-18E01	S 04-11-52	159	-----	-----	-----	23.0	5.0	38.0	1.8	105	10	41.0	24.0	.6	.50	----
09N/02E-18E01	S 05-19-55	159	22.0	12.0	.00	58.0	12.0	50.0	2.4	170	0	76.0	53.0	.5	12.0	----
09N/02E-18E01	S 09-14-55	159	-----	25.0	-----	64.0	12.0	55.0	2.5	193	0	84.0	58.0	.5	9.40	----
09N/02E-18E01	S 04-18-56	159	20.0	-----	-----	-----	-----	-----	-----	176	0	-----	50.0	-----	-----	----
09N/02E-18E01	S 03-28-58	159	-----	-----	-----	-----	-----	-----	-----	171	0	-----	46.0	-----	-----	----
09N/02E-18E01	S 10-15-58	159	-----	25.0	-----	45.0	8.0	49.0	3.2	143	3	64.0	35.0	.4	8.40	----
09N/02E-18E01	S 03-24-59	159	20.0	23.0	-----	44.0	9.0	50.0	2.4	151	0	62.0	42.0	.8	4.00	----
09N/02E-18E01	S 05-07-59	159	-----	-----	1.00	44.0	8.6	45.0	2.0	160	0	58.0	34.0	.6	3.10	----
09N/02E-18E01	S 05-27-59	159	-----	-----	-----	41.0	10.0	52.0	2.4	164	0	58.0	38.0	.5	4.20	----
09N/02E-18E01	S 11-02-59	159	18.0	20.0	-----	20.0	10.0	48.0	2.6	164	0	57.0	35.0	.4	4.00	----
09N/02E-18E01	S 03-30-60	159	-----	23.0	-----	38.0	9.0	46.0	2.0	154	0	57.0	31.0	.6	7.00	----
09N/02E-18E01	S 08-09-61	159	-----	-----	-----	-----	-----	-----	-----	159	0	-----	29.0	-----	-----	----
09N/02E-18E01	S 12-28-61	159	-----	24.0	-----	43.0	10.0	55.0	2.2	181	0	62.0	34.0	.7	7.00	----
09N/02E-18E01	S 04-11-62	159	-----	25.0	-----	55.0	7.0	58.0	2.0	187	0	76.0	43.0	.4	7.60	----
09N/02E-18E01	S 03-23-64	159	18.0	19.0	-----	45.0	9.1	54.0	2.3	182	0	62.0	32.0	.4	.10	----
09N/02E-18H01	S 04-08-59	302	19.0	24.0	-----	52.0	8.0	52.0	2.4	156	0	59.0	52.0	.6	9.00	----
09N/02E-18L01	S 04-08-59	246	21.0	-----	-----	7.0	2.5	64.0	6.9	110	0	1.6	59.0	.0	2.30	----
09N/02E-19E01	S 04-08-59	400	21.0	25.0	-----	60.0	10.0	64.0	2.6	212	0	69.0	48.0	.6	16.0	----
09N/02E-20G01	S 03-10-52	488	-----	30.0	.10	34.0	6.0	59.0	-----	190	7	37.0	22.0	.5	-----	----
09N/02E-20G01	S 04-18-56	488	-----	-----	-----	33.0	5.0	107.	1.7	189	0	40.0	25.0	.6	3.00	----
09N/02E-20K01	S 03-10-52	388	-----	30.0	.10	34.0	6.0	63.0	-----	188	7	43.0	24.0	.5	-----	----
09N/02E-20K01	S 04-18-56	388	-----	-----	-----	33.0	4.0	57.0	1.7	186	0	33.0	25.0	.6	3.00	----
09N/02E-20K02	S 03-10-52	357	-----	24.0	.10	34.0	6.0	61.0	-----	188	7	42.0	22.0	.5	-----	----
09N/02E-20K02	S 04-18-56	357	-----	-----	-----	34.0	4.0	62.0	1.6	183	0	47.0	28.0	.7	2.90	----
09N/02E-20M01	S 09-01-17	500	-----	94.0	.05	14.0	7.5	86.0	-----	153	17	53.0	30.0	-----	.80	----
09N/02E-20Q01	S 10-05-32	120	-----	15.0	-----	41.0	6.8	69.0	2.3	195	0	70.0	37.0	-----	.60	----
09N/02E-22N01	S 04-11-52	156	-----	-----	-----	61.0	14.0	112.	.8	215	0	122.	104.	.6	6.10	----
09N/02E-24D01	S 04-11-52	200	-----	-----	-----	32.0	5.0	46.0	2.6	193	0	20.0	21.0	.5	1.00	----
09N/02E-25M01	S 06--53	160	-----	-----	-----	22.0	9.2	64.0	3.9	159	0	56.0	33.0	1.1	2.00	----
09N/02E-25M01	S 02-10-54	160	-----	-----	-----	50.0	15.0	80.0	4.4	159	0	87.0	94.0	.7	6.00	----
09N/02E-25M01	S 07-09-56	160	-----	-----	-----	40.0	10.0	90.0	4.1	100	0	136.	82.0	.6	1.00	.000
09N/02E-25M01	S 02-26-60	160	-----	-----	-----	125.	29.0	208.	5.8	200	0	410.	178.	.8	4.50	.000
09N/02E-25M02	S 03-03-60	160	-----	-----	-----	232.	43.0	475.	8.4	327	0	936.	356.	.9	9.20	----
09N/02E-25M02	S 05-06-60	160	-----	-----	-----	187.	50.0	405.	7.0	327	0	840.	312.	.9	8.60	----
09N/02E-26D01	S 07-15-19	300	-----	49.0	-----	26.0	3.9	61.0	-----	161	0	34.0	30.0	-----	-----	----
09N/02E-26D01	S 09-28-55	300	-----	-----	-----	25.0	5.0	52.0	2.7	159	0	31.0	24.0	.4	1.50	----
09N/02E-26E02	S 03-24-53	165	-----	-----	-----	266.	59.0	300.	8.5	246	0	542.	490.	.6	17.0	----
09N/02E-26E02	S 09-01-55	165	-----	-----	-----	233.	36.0	430.	6.7	207	0	816.	449.	.4	10.0	----
09N/02E-26E02	S 07-09-56	165	-----	-----	-----	207.	40.0	410.	6.1	224	0	822.	392.	.5	4.50	----
09N/02E-27D01	S 08-20-16	174	-----	47.0	-----	167.	9.0	370.	-----	207	0	403.	453.	-----	4.00	----
09N/02E-27L03	S 10-06-56	85	-----	-----	-----	26.0	5.0	57.0	2.8	166	0	34.0	21.0	.6	3.00	----
10N/01E-22C01	S 05-20-53	500	-----	-----	-----	25.0	34.0	158.	10.0	507	0	197.	83.0	1.2	1.20	----
10N/01E-35P04	S 09-17-17	407	-----	57.0	.08	31.0	7.9	76.0	-----	206	0	52.0	36.0	-----	.20	----
10N/02E-31R01	S 04-23-52	22.0	-----	-----	-----	42.0	8.3	62.0	-----	188	0	74.0	33.0	.6	3.70	----
10N/02E-31R01	S 05-19-55	-----	-----	.00	-----	34.0	6.7	61.0	1.0	173	0	54.0	34.0	.6	1.90	----
10N/02E-31R01	S 09-14-55	-----	-----	.00	-----	37.0	6.0	57.0	.6	183	0	45.0	32.0	.6	1.00	----
10N/02E-31R01	S 04-18-56	-----	-----	-----	-----	-----	-----	-----	-----	180	0	-----	30.0	-----	-----	----
10N/02E-31R01	S 12-18-56	-----	-----	-----	-----	-----	-----	-----	-----	183	0	-----	32.0	-----	-----	----
10N/02E-31R01	S 07-09-57	-----	-----	-----	-----	-----	-----	-----	-----	177	0	-----	30.0	-----	-----	----
10N/02E-31R01	S 12-07-57	-----	-----	-----	-----	37.0	6.0	62.0	.6	179	0	49.0	30.0	.6	1.00	----
10N/02E-31R01	S 03-27-58	-----	-----	-----	-----	-----	-----	-----	-----	185	0	-----	31.0	-----	-----	----
10N/02E-31R01	S 10-15-58	-----	-----	-----	-----	-----	-----	-----	-----	149	6	-----	32.0	-----	-----	----



PO4	R	DS	HARD. CARB.	HARD. N.C.	ALK. CACO3	COND	PH	COD	DOC	PHENOLS	OIL & GREASE	MBAS	AS	TOTAL CR	CR+6	CU	TOTAL HG
----	.08	350	138	0	----	468	7.1	----	----	----	----	----	----	----	----	----	----
----	.08	234	114	0	----	411	7.6	----	----	----	----	----	----	----	----	----	----
----	.06	225	108	----	----	394	7.9	----	----	----	----	----	----	----	----	----	----
----	.05	266	113	0	----	415	6.8	----	----	----	----	----	----	----	----	----	----
----	.17	190	88	0	----	329	7.6	----	----	----	----	----	----	----	----	----	----
----	.10	217	100	----	----	374	7.5	----	----	----	----	----	----	----	----	----	----
----	----	----	105	0	----	389	7.8	----	----	----	----	----	----	----	----	----	----
----	----	----	103	0	----	372	7.8	----	----	----	----	----	----	----	----	----	----
----	.14	235	108	0	----	392	7.8	----	----	----	----	----	----	----	----	----	----
----	.16	252	101	0	----	350	7.7	----	----	----	----	----	----	----	----	----	----
----	.08	230	109	----	----	379	7.7	----	----	----	----	----	----	----	----	----	----
----	.08	230	109	----	----	380	7.5	----	----	----	----	----	----	----	----	----	----
----	.20	240	74	----	----	389	7.6	----	----	----	----	----	----	----	----	----	----
----	----	----	----	----	----	400	----	----	----	----	----	----	----	----	----	----	----
----	.08	250	122	----	----	408	7.7	----	----	----	----	----	----	----	----	----	----
----	.14	250	79	0	----	386	8.4	----	----	----	----	----	----	----	----	----	----
----	.10	270	121	0	----	407	8.3	----	----	----	----	----	----	----	----	----	----
----	.10	290	131	----	----	449	7.4	----	----	----	----	----	----	----	----	----	----
----	.05	216	----	----	----	317	8.4	----	----	----	----	----	----	----	----	----	----
----	.12	388	----	----	----	604	8.3	----	----	----	----	----	----	----	----	----	----
----	.10	430	----	----	----	614	7.8	----	----	----	----	----	----	----	----	----	----
----	----	----	198	----	----	610	8.2	----	----	----	----	----	----	----	----	----	----
----	----	----	174	26	----	583	8.2	----	----	----	----	----	----	----	----	----	----
----	.37	319	145	----	----	508	8.4	----	----	----	----	----	----	----	----	----	----
----	.71	358	145	----	----	496	7.3	----	----	----	----	----	----	----	----	----	----
----	----	285	142	----	131	----	7.9	----	----	.000	.000	.100	----	.000	.000	.000	----
----	.08	290	140	6	----	492	7.7	----	----	----	----	----	----	----	----	----	----
----	.30	270	138	----	----	497	7.0	----	----	----	----	----	----	----	----	----	----
----	.06	280	130	----	----	462	8.0	----	----	----	----	----	----	----	----	----	----
----	----	----	135	5	----	483	7.6	----	----	----	----	----	----	----	----	----	----
----	.16	320	151	3	----	525	7.7	----	----	----	----	----	----	----	----	----	----
----	.22	356	168	14	----	570	7.7	----	----	----	----	----	----	----	----	----	----
----	.16	318	150	0	----	450	7.9	----	----	----	----	----	----	----	----	----	----
----	.44	384	163	----	----	543	7.4	----	----	----	----	----	----	----	----	----	----
----	.04	205	28	----	----	360	8.0	----	----	----	----	----	----	----	----	----	----
----	.20	400	189	----	----	637	7.9	----	----	----	----	----	----	----	----	----	----
----	.18	240	112	----	----	----	8.5	----	----	----	----	----	----	----	----	----	----
----	.21	279	----	----	----	453	7.4	----	----	----	----	----	----	----	----	----	----
----	.16	----	110	----	----	----	8.5	----	----	----	----	----	----	----	----	----	----
----	.13	262	----	----	----	444	7.1	----	----	----	----	----	----	----	----	----	----
----	.18	----	110	----	----	----	8.5	----	----	----	----	----	----	----	----	----	----
----	.15	293	----	----	----	467	7.4	----	----	----	----	----	----	----	----	----	----
----	----	379	66	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	.40	----	130	----	----	554	8.0	----	----	----	----	----	----	----	----	----	----
----	.52	582	----	----	----	838	7.6	----	----	----	----	----	----	----	----	----	----
----	.09	262	----	----	----	362	7.8	----	----	----	----	----	----	----	----	----	----
----	.43	347	92	0	----	495	7.8	----	----	----	----	----	----	----	----	----	----
----	.93	507	187	51	----	739	8.2	----	----	----	----	----	----	----	----	----	----
----	.87	466	143	53	----	742	8.1	----	----	----	----	----	----	----	----	----	----
----	.80	1140	430	266	----	1680	7.7	----	----	----	----	----	----	----	----	----	----
----	8.50	2340	757	489	----	3220	1.4	----	----	----	----	----	----	----	----	----	----
----	4.50	2100	672	404	----	2890	7.7	----	----	----	----	----	----	----	----	----	----
----	----	----	81	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	.28	298	84	0	----	410	7.8	----	----	----	----	----	----	----	----	----	----
----	3.70	2040	894	692	----	2950	7.5	----	----	----	----	----	----	----	----	----	----
----	4.40	2260	730	560	----	3160	7.8	----	----	----	----	----	----	----	----	----	----
----	4.20	2190	683	499	----	2820	7.6	----	----	----	----	----	----	----	----	----	----
----	----	1600	454	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	.28	283	86	0	----	416	8.2	----	----	----	----	----	----	----	----	----	----
----	.50	718	202	----	----	1030	7.9	----	----	----	----	----	----	----	----	----	----
----	----	358	110	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	.20	293	----	----	----	508	8.2	----	----	----	----	----	----	----	----	----	----
----	.12	302	----	----	----	474	8.0	----	----	----	----	----	----	----	----	----	----
----	.22	284	----	----	----	440	8.1	----	----	----	----	----	----	----	----	----	----
----	----	----	108	----	----	478	8.0	----	----	----	----	----	----	----	----	----	----
----	----	----	123	----	----	480	7.9	----	----	----	----	----	----	----	----	----	----
----	----	----	98	----	----	483	7.9	----	----	----	----	----	----	----	----	----	----
----	.28	305	116	0	----	502	7.6	----	----	----	----	----	----	----	----	----	----
----	----	----	112	----	152	495	8.0	----	----	----	----	----	----	----	----	----	----
----	----	----	110	----	----	470	8.4	----	----	----	----	----	----	----	----	----	----



WELL NUMBER	DATE	DEPTH (FT)	TEMP (C)	SI02	TOTAL FE	CA	MG	NA	K	HC03	CO3	SO4	CL	F	NO2+ NO3	NH4
<hr/>																
10N/02E-31R01	S 03-24-59		----	27.0	-----	35.0	5.0	62.0	1.0	187	0	47.0	35.0	.8	1.00	----
10N/02E-31R01	S 05-27-59		----	-----	-----	37.0	5.0	64.0	.9	181	0	47.0	36.0	.5	1.10	----
10N/02E-31R01	S 03-03-60		----	-----	-----	31.0	7.0	60.0	.6	183	0	43.0	31.0	.7	1.80	----
10N/02E-31R01	S 12-28-61		----	-----	-----	-----	-----	-----	-----	183	0	-----	33.0	-----	-----	----
10N/02E-31R01	S 04-11-62		----	-----	-----	-----	-----	-----	-----	174	0	-----	32.0	-----	-----	----
<hr/>																
10N/02E-31R01	S 07-17-63		----	25.0	-----	-----	-----	-----	-----	170	0	-----	30.0	-----	-----	----
10N/02E-31R01	S 03-24-64		----	22.0	-----	31.0	5.4	64.0	.9	182	0	43.0	28.0	.4	.80	----
10N/02E-35K01	S 04-07-59		21.0	27.0	-----	53.0	11.0	76.0	2.0	295	0	39.0	41.0	.6	1.00	----
09N/01W-03M01	S 11-29-51		----	-----	-----	49.0	12.0	98.0	-----	231	0	81.0	73.0	.3	2.50	----
09N/01W-03N01	S 11-29-51	25	----	-----	-----	147.	29.0	170.	-----	398	0	398.	137.	.3	3.50	----
<hr/>																
09N/01W-03N01	S 07-31-59	25	----	26.0	-----	174.	55.0	208.	5.0	397	0	444.	223.	.6	.00	----
09N/01W-03N01	S 03-11-72	25	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	.080
09N/01W-03N01	S 03-21-72	25	19.0	26.0	.04	190.	31.0	210.	5.1	407	0	550.	120.	.3	.40	----
09N/01W-03P01	S 11-07-56	40	----	-----	-----	101.	19.0	129.	3.5	342	0	191.	97.0	.6	3.50	----
09N/01W-04C01	S 04-09-59	90	----	-----	.01	46.0	8.5	60.0	2.0	200	0	61.0	32.0	.4	1.40	----
<hr/>																
09N/01W-04C03	S 07-31-59	100	19.0	25.0	-----	66.0	11.0	72.0	2.7	226	0	104.	47.0	.6	1.00	----
09N/01W-04D01	S 05-04-66	156	-----	-----	.03	172.	33.0	172.	3.8	338	0	528.	110.	.8	3.50	----
09N/01W-04G01	S 08-10-51	115	-----	-----	-----	66.0	13.0	105.	-----	277	0	107.	66.0	.4	1.90	----
09N/01W-04G01	S 08-09-61	115	-----	25.0	-----	47.0	13.0	63.0	2.3	212	0	75.0	37.0	.6	2.00	----
09N/01W-04G01	S 12-21-61	115	-----	23.0	-----	58.0	9.8	65.0	2.6	234	0	81.0	38.0	.5	1.00	----
<hr/>																
09N/01W-04G02	S 07-10-57	80	-----	28.0	-----	100.	24.0	106.	3.9	290	0	191.	114.	.7	1.90	----
09N/01W-04G02	S 10-23-57	80	21.0	20.0	-----	45.0	15.0	95.0	3.1	270	0	169.	84.0	.4	1.50	----
09N/01W-04G03	S 04-09-59	-----	-----	-----	.02	46.0	8.5	58.0	2.0	202	0	66.0	32.0	.4	1.10	----
09N/01W-04G03	S 03-10-72	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	.060
09N/01W-04G03	S 03-21-72	20.0	26.0	.01	67.0	12.0	70.0	3.0	221	0	130.	42.0	.3	.10	-----	----
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09N/01W-04J01	S 11-29-51	81	----	-----	.01	37.0	9.0	64.0	-----	200	0	46.0	44.0	.3	3.50	----
09N/01W-04K01	S 03-09-72	101	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	.060
09N/01W-04K01	S 03-17-72	101	19.2	27.0	.01	120.	20.0	88.0	4.5	337	0	180.	86.0	.5	1.20	----
09N/01W-04K01	S 03-28-72	101	18.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----
09N/01W-04K02	S 03-09-72	57	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	.080
<hr/>																
09N/01W-04K02	S 03-14-72	57	19.2	28.0	.01	190.	33.0	200.	5.8	511	0	440.	130.	.3	.10	----
09N/01W-04K02	S 03-28-72	57	18.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----
09N/01W-04M01	S 10-07-71	84	17.0	42.0	.02	110.	20.0	180.	3.7	406	0	250.	130.	.4	2.20	----
09N/01W-04M01	S 03-13-72	84	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	.080
09N/01W-04M01	S 03-21-72	84	17.5	43.0	.04	110.	20.0	180.	3.8	375	0	250.	110.	.2	2.20	----
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09N/01W-04M01	S 03-28-72	84	17.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----
09N/01W-04M02	S 10-07-71	58	17.5	34.0	.02	100.	20.0	160.	3.2	286	0	360.	68.0	.6	.80	----
09N/01W-04M02	S 03-13-72	58	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	.100
09N/01W-04M02	S 03-21-72	58	17.7	35.0	.02	110.	20.0	150.	3.2	279	0	360.	65.0	.5	.60	----
09N/01W-04M02	S 03-28-72	58	17.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----
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09N/01W-04M03	S 10-07-71	34	17.5	27.0	-----	78.0	14.0	95.0	2.7	211	0	260.	28.0	.6	.60	----
09N/01W-04M03	S 03-13-72	34	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	.140
09N/01W-04M03	S 03-21-72	34	18.5	28.0	-----	89.0	15.0	97.0	3.0	211	0	300.	24.0	.6	.80	----
09N/01W-04M03	S 03-28-72	34	17.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----
09N/01W-05D01	S 08-08-51	60	-----	-----	-----	44.0	7.0	120.	-----	270	0	24.0	81.0	1.2	47.0	----
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09N/01W-05D01	S 11-30-51	60	-----	-----	-----	51.0	12.0	131.	-----	366	0	17.0	82.0	-----	5.00	----
09N/01W-05D02	S 03-06-62	40	-----	36.0	2.00	137.	23.0	222.	8.0	381	0	436.	117.	1.1	1.50	----
09N/01W-05D02	S 03-14-62	40	-----	-----	-----	134.	23.0	248.	7.0	379	0	485.	105.	1.2	.00	----
09N/01W-05D02	S 05-11-62	40	-----	-----	-----	-----	-----	-----	-----	344	0	-----	82.0	-----	-----	----
09N/01W-05D02	S 09-20-62	40	-----	-----	13.0	121.	26.0	245.	4.6	362	0	306.	200.	1.1	27.0	----
<hr/>																
09N/01W-05D02	S 12-18-62	40	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----
09N/01W-05D02	S 03-08-63	40	-----	-----	-----	-----	-----	-----	-----	296	0	-----	-----	-----	-----	----
09N/01W-05D02	S 03-20-63	40	-----	-----	-----	-----	-----	-----	-----	274	-----	-----	148.	-----	-----	----
09N/01W-05D02	S 05-14-63	40	-----	-----	8.30	170.	35.0	260.	32.0	-----	-----	-----	-----	-----	-----	----
09N/01W-05D02	S 07-19-63	40	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----
<hr/>																
09N/01W-05D02	S 07-26-63	40	-----	-----	-----	-----	-----	-----	-----	317	0	-----	-----	-----	-----	----
09N/01W-05D02	S 10-08-63	40	-----	-----	-----	-----	-----	-----	-----	234	0	-----	222.	-----	-----	----
09N/01W-05D02	S 11-06-63	40	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----
09N/01W-05D02	S 11-12-63	40	-----	-----	37.0	140.	20.0	244.	30.0	-----	-----	-----	-----	-----	-----	----
09N/01W-05D02	S 11-20-63	40	-----	-----	9.90	163.	30.0	258.	44.0	-----	-----	-----	-----	-----	-----	----
<hr/>																
09N/01W-05D02	S 02-27-64	40	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----
09N/01W-05D02	S 01-20-65	40	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----
09N/01W-05D02	S 07-08-65	40	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----
09N/01W-05D02	S 12-09-65	40	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	235.	-----	-----	----
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09N/01W-05J01	S 11-30-51	92	-----	-----	.05	13.0	6.0	246.	-----	226	0	254.	85.0	-----	2.90	----
09N/01W-05J01	S 03-25-54	92	-----	-----	.00	15.0	2.0	200.	3.0	219	0	-----	-----	-----	-----	----
09N/01W-05J01	S 07-22-54	92	18.0	-----	-----	37.0	6.0	280.	3.5	217	0	305.	141.	4.2	7.50	----
09N/01W-05J01	S 05-19-55	92	-----	24.0	.05	23.0	6.1	216.	2.8	215	0	240.	91.0	3.5	6.20	----
09N/01W-05J01	S 09-14-55	92	-----	-----	.05	-----	-----	-----	-----	207	0	-----	89.0	-----	-----	----



P04	R	DS	HARD. CARB.	HARD. N.C.	ALK. CAC03	COND	PH	COD	DOC	PHENOLS	OIL & GREASE	MBAS	AS	TOTAL CR	CR+6	CU	TOTAL HG
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	.98	344	108	----	----	457	7.5	----	----	----	----	----	----	----	----	----	----
----	.31	279	112	0	----	483	7.5	----	----	----	----	----	----	----	----	----	----
----	.22	265	108	0	150	475	7.9	----	----	----	----	----	----	----	----	----	----
----	----	----	110	0	----	479	7.9	----	----	----	----	----	----	----	----	----	----
----	----	----	110	0	----	460	8.0	----	----	----	----	----	----	----	----	----	----
----	----	----	102	0	----	458	7.9	----	----	----	----	----	----	----	----	----	----
----	.30	286	99	0	----	420	8.0	----	----	----	----	----	----	----	----	----	----
----	.30	495	175	----	----	673	7.6	----	----	----	----	----	----	----	----	----	----
----	.19	448	486	----	----	751	7.7	----	----	----	----	----	----	----	----	----	----
----	.25	1040	----	----	----	1530	7.1	----	----	----	----	----	----	----	----	----	----
----	.55	1450	659	----	----	2000	7.7	----	----	----	----	----	----	----	----	----	----
----	.10	----	----	----	----	----	----	3.00	----	----	.200	.050	----	----	----	----	----
----	.36	1330	600	270	334	1860	7.8	----	1.90	----	----	----	.001	----	----	----	----
----	.28	741	329	49	----	1140	7.1	----	----	----	----	----	----	----	----	----	----
----	----	410	150	----	164	----	7.6	----	----	.000	.000	.160	----	.000	.000	----	----
----	.08	520	210	----	----	729	7.5	----	----	----	----	----	----	----	----	----	----
----	----	1300	----	----	----	1630	7.2	----	----	----	----	2.40	----	----	----	----	----
----	.19	510	217	0	----	857	7.7	----	----	----	----	----	----	----	----	----	----
----	.11	348	172	0	----	591	7.6	----	----	.000	5.90	.000	----	.000	----	----	----
----	.02	.14	370	185	0	627	7.6	----	----	----	----	.020	----	.000	----	----	----
----	.25	810	350	113	----	1140	7.5	----	----	.000	.000	----	----	----	----	----	----
----	.20	615	237	16	----	792	7.7	----	----	----	----	----	----	----	----	----	----
----	----	435	150	----	----	----	7.6	----	----	.000	.000	.050	----	.000	.000	----	----
----	.08	----	220	35	181	----	----	2.00	----	----	.300	.020	----	----	----	----	----
----	.09	463	----	----	----	715	7.8	----	.700	----	----	----	.003	----	----	----	----
----	.17	324	----	----	----	523	7.7	----	----	----	----	----	----	----	----	.000	----
----	.10	----	----	----	----	----	12.0	----	----	----	.300	.400	----	----	----	----	----
----	.26	697	380	110	276	1100	7.9	----	1.60	----	----	----	.004	----	----	----	----
----	.34	----	----	----	----	----	----	9.00	----	----	.400	.480	----	----	----	----	----
----	.51	1280	610	190	419	1840	7.7	----	2.30	----	----	----	.003	----	----	----	----
----	.90	947	360	24	333	1400	7.2	----	----	----	----	----	----	----	----	.020	.0001
----	.07	----	----	----	----	----	19.0	----	----	----	.400	.300	----	----	----	----	----
----	.78	912	360	49	308	1340	7.5	----	4.10	----	----	----	.007	----	----	----	----
----	.60	891	330	97	235	1280	7.5	----	----	----	----	----	----	----	----	----	----
----	.12	----	----	----	----	----	9.00	----	----	----	.500	.360	----	----	----	----	----
----	----	884	360	130	229	1250	7.4	----	4.30	----	----	----	.000	----	----	----	----
----	.28	613	250	79	173	869	7.5	----	----	----	----	----	----	----	----	.000	.0003
----	.29	----	----	----	----	----	24.0	----	----	----	.800	.120	----	----	----	----	----
----	.27	664	280	110	173	931	7.5	----	4.10	----	----	----	.003	----	----	----	----
----	1.00	518	138	----	----	860	8.0	----	----	----	----	----	----	----	----	----	----
----	.41	545	178	----	----	820	7.1	----	----	----	----	----	----	----	----	----	----
----	.30	1.20	1170	434	132	1750	7.2	----	----	.000	----	1.36	----	----	.000	----	----
----	----	1300	432	----	----	1750	7.1	----	----	.050	5.60	1.70	----	.000	.000	----	----
----	----	1040	342	----	----	----	6.8	----	----	.075	.000	.550	----	.000	.000	----	----
----	----	1230	462	----	----	1720	7.2	----	----	.060	3.20	.200	----	----	.000	----	----
----	----	1150	342	----	----	----	7.0	----	----	.140	12.0	1.80	----	----	.000	----	----
----	----	1300	425	----	----	2170	----	----	----	.320	24.8	.460	----	----	.000	----	----
----	.12	----	----	----	----	----	----	----	----	.000	8.00	2.00	----	----	.000	----	----
----	----	----	----	----	----	----	----	----	----	.000	8.60	3.00	----	.000	.000	----	----
----	----	----	----	----	----	----	----	----	----	.030	23.4	1.20	----	----	----	----	----
----	----	1400	564	----	----	----	7.3	----	----	----	18.4	1.20	----	----	.000	----	----
----	----	821	274	----	----	----	7.5	----	----	.000	4.80	.410	----	----	.000	----	----
----	----	----	----	----	----	----	----	----	----	.000	8.30	.280	----	----	.000	----	----
----	----	----	----	----	----	----	----	----	----	----	----	----	----	.010	----	----	----
----	----	----	----	----	----	----	----	----	----	----	----	----	----	.010	----	----	----
----	----	----	----	----	----	----	----	----	----	.010	1.00	.540	----	.000	.000	----	----
----	----	----	----	----	----	----	----	----	----	.005	1.00	.710	----	.000	.000	----	----
----	----	1100	----	----	----	1720	----	----	----	.000	.600	.560	----	.000	.000	----	----
----	----	995	----	----	----	1710	----	----	----	.000	.600	.580	----	.000	.000	----	----
----	3.90	708	57	0	----	1110	8.3	----	----	----	----	----	----	----	----	----	----
----	----	700	45	----	----	----	8.0	----	----	----	----	----	----	----	----	----	----
----	3.60	950	117	0	----	1410	8.1	----	----	----	----	----	----	----	----	----	----
----	3.20	715	83	0	----	1140	8.1	----	----	----	----	----	----	----	----	----	----
----	----	----	70	----	----	1090	8.3	----	----	----	----	----	----	----	----	----	----



WELL NUMBER	DATE	DEPTH (FT)	TEMP (C)	SI02	TOTAL FE	CA	MG	NA	K	HC03	CO3	SO4	CL	F	NO2+ NO3	NH4
09N/01W-05J02	S 04-18-56	208	22.0	----	----	49.0	11.0	230.	3.0	217	0	275.	141.	3.0	13.0	----
09N/01W-05J02	S 07-09-57	208	27.0	20.0	----	61.0	12.0	265.	4.0	224	0	316.	191.	2.7	12.0	----
09N/01W-05J02	S 07-10-57	208	----	40.0	----	61.0	9.0	295.	5.0	265	0	346.	195.	2.5	7.00	----
09N/01W-05J02	S 07-26-57	208	----	31.0	----	42.0	10.0	244.	----	234	0	267.	140.	.7	4.00	----
09N/01W-05J02	S 10-23-57	208	21.0	35.0	----	78.0	9.0	336.	4.4	248	0	403.	239.	3.0	4.50	----
09N/01W-05J02	S 12-05-57	208	----	----	----	77.0	12.0	300.	4.0	249	0	374.	204.	2.8	10.0	----
09N/01W-05J02	S 03-28-58	208	----	----	----	----	----	----	227	0	----	208.	----	----	----	----
09N/01W-05J02	S 03-24-59	208	23.0	----	----	----	----	----	215	0	----	216.	----	----	----	----
09N/01W-05J02	S 04-09-59	208	----	----	.02	82.0	12.0	296.	4.0	212	0	394.	228.	2.8	14.0	----
09N/01W-05J02	S 06-26-59	208	----	----	----	85.0	11.0	305.	8.0	215	0	379.	227.	3.0	16.0	----
09N/01W-05J03	S 04-18-56	222	21.0	----	----	23.0	6.0	240.	8.5	210	0	247.	117.	4.0	4.30	----
09N/01W-05J03	S 12-18-56	222	19.0	33.0	----	44.0	8.0	285.	3.9	226	0	323.	173.	1.5	6.30	----
09N/01W-05J03	S 07-26-57	222	----	23.0	.03	46.0	9.7	270.	----	249	0	304.	152.	.7	3.60	----
09N/01W-05J03	S 10-23-57	222	21.0	35.0	----	78.0	9.0	336.	4.4	248	0	403.	239.	3.0	4.50	----
09N/01W-05J03	S 12-05-57	222	----	----	----	76.0	12.0	300.	4.0	244	0	375.	200.	3.2	9.00	----
09N/01W-05J03	S 06-09-58	222	----	----	----	64.0	13.0	330.	4.8	306	0	394.	206.	2.4	.50	----
09N/01W-05J03	S 07-29-58	222	22.0	32.0	----	101.	14.0	310.	7.6	276	0	423.	235.	1.5	6.90	----
09N/01W-05J03	S 10-14-58	222	23.0	45.0	----	96.0	12.0	321.	3.5	220	0	480.	243.	1.7	12.0	----
09N/01W-05J03	S 10-15-58	222	23.0	----	.10	97.0	17.0	320.	5.0	180	0	488.	245.	2.5	.00	----
09N/01W-05J03	S 11-03-59	222	17.0	12.0	----	20.0	44.0	317.	6.0	173	0	423.	261.	3.4	.00	----
09N/01W-05J03	S 03-30-60	222	----	14.0	----	52.0	9.0	69.0	2.2	176	0	107.	44.0	.9	.50	----
09N/01W-05J03	S 08-25-60	222	----	26.0	----	51.0	13.0	74.0	2.2	180	0	127.	49.0	.7	.00	----
09N/01W-05J03	S 12-16-60	222	----	26.0	----	49.0	17.0	61.0	2.4	155	0	123.	46.0	1.0	.00	----
09N/01W-05J04	S 04-06-59	102	21.0	20.0	----	43.0	13.0	340.	4.4	168	0	518.	150.	3.6	.00	----
09N/01W-05J04	S 05-06-59	102	----	----	----	52.0	9.8	340.	5.0	206	11	517.	157.	4.0	.90	----
09N/01W-05R01	S 08-08-51	82	----	----	----	11.0	3.9	239.	----	173	0	264.	90.0	2.8	6.00	----
09N/01W-05R01	S 06-29-61	82	----	23.0	----	168.	30.0	270.	3.0	355	0	520.	224.	1.5	.00	----
09N/01W-06B01	S 07-21-08	77	----	26.0	----	56.0	12.0	165.	----	----	0	227.	99.0	----	----	----
09N/01W-06B01	S 09-12-17	77	----	56.0	.15	88.0	19.0	232.	----	297	0	348.	148.	----	3.00	----
09N/01W-06B01	S 11-17-19	77	----	33.0	.90	57.0	13.0	100.	----	233	0	128.	63.0	----	.80	----
09N/01W-06B02	S 10- -44	102	----	8.0	.00	44.0	11.0	61.0	----	183	0	73.0	43.0	----	----	----
09N/01W-06B02	S 12-15-50	102	----	18.0	.01	47.0	14.0	63.0	----	183	0	99.0	42.0	----	----	----
09N/01W-06B02	S 07-29-58	102	21.0	25.0	----	88.0	19.0	131.	3.0	228	0	213.	120.	.6	13.0	----
09N/01W-06B02	S 12-16-58	102	----	----	.00	89.0	21.0	148.	2.0	226	0	242.	121.	1.6	10.0	----
09N/01W-06B02	S 04-09-59	102	----	----	.02	86.0	21.0	138.	3.0	231	0	250.	110.	.8	12.0	----
09N/01W-06B03	S 05-07-59	40	----	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-06B03	S 03-06-62	40	17.0	22.0	----	89.0	16.0	190.	4.0	249	0	300.	119.	1.3	24.0	----
09N/01W-06B03	S 03-14-62	40	----	----	----	106.	18.0	209.	3.0	315	0	276.	140.	1.2	21.0	----
09N/01W-06B03	S 05-11-62	40	----	----	----	----	----	----	----	346	0	----	162.	----	----	----
09N/01W-06B03	S 09-20-62	40	----	----	----	99.0	17.0	209.	8.0	271	0	394.	99.0	1.1	.00	----
09N/01W-06B03	S 12-18-62	40	----	----	----	----	----	----	----	239	0	----	----	----	----	----
09N/01W-06B03	S 03-08-63	40	----	----	----	----	----	----	----	342	0	----	----	----	----	----
09N/01W-06B03	S 03-20-63	40	----	----	----	----	----	----	----	332	----	----	257.	----	----	----
09N/01W-06B03	S 05-14-63	40	----	----	2.00	180.	26.0	290.	4.0	----	----	----	----	----	----	----
09N/01W-06B03	S 07-19-63	40	----	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-06B03	S 07-26-63	40	----	----	----	----	----	----	----	330	0	----	----	----	----	----
09N/01W-06B03	S 10-08-63	40	----	----	----	----	----	----	----	306	0	----	308.	----	----	----
09N/01W-06B03	S 11-06-63	40	----	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-06B03	S 11-12-63	40	----	----	6.50	173.	89.0	87.0	33.0	----	----	----	----	----	----	----
09N/01W-06B03	S 02-27-64	40	----	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-06B03	S 05-20-64	40	----	----	3.00	172.	57.0	250.	----	----	----	----	----	----	----	----
09N/01W-06B03	S 11-12-64	40	----	----	.02	190.	31.0	265.	6.0	----	----	----	----	----	----	----
09N/01W-06B03	S 12-02-64	40	----	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-06B03	S 01-20-65	40	----	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-06B03	S 03-03-65	40	----	----	----	----	----	----	----	330	0	----	598.	----	----	----
09N/01W-06B03	S 05-26-65	40	----	----	----	----	----	----	----	352	0	----	547.	----	----	----
09N/01W-06B03	S 07-08-65	40	----	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-06B03	S 12-09-65	40	----	----	----	----	----	----	----	----	----	----	248.	----	----	----
09N/01W-06B03	S 12-29-65	40	----	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-06B03	S 05-04-66	40	----	----	.95	148.	21.0	276.	4.4	309	0	369.	257.	1.0	47.0	----
09N/01W-08A01	S 05-22-51	168	----	----	----	35.0	4.2	336.	----	139	12	413.	192.	.6	----	----
09N/01W-08A01	S 08-08-51	168	----	----	----	35.0	.5	343.	----	153	0	429.	195.	----	8.70	----
09N/01W-08A01	S 01-12-59	168	----	----	----	30.0	3.0	300.	2.8	163	0	331.	174.	3.6	----	----
09N/01W-08A02	S 04-08-59	131	----	----	.16	32.0	7.3	268.	2.0	216	0	229.	158.	1.6	----	----
09N/01W-08A03	S 10-23-19	125	----	31.0	.96	28.0	4.8	303.	----	158	3	371.	160.	----	1.50	----
09N/01W-09A01	S 12-05-51	18	----	----	----	81.0	14.0	167.	----	287	---	283.	75.0	----	2.00	----
09N/01W-09B01	S 03-17-72	51	----	----	----	----	----	----	----	----	----	----	----	----	----	.060
09N/01W-09B01	S 03-21-72	51	19.0	29.0	.01	130.	23.0	150.	3.7	387	0	270.	110.	.5	1.80	----
09N/01W-09B01	S 10-13-72	51	19.0	29.0	.02	130.	25.0	150.	3.6	398	0	270.	110.	.5	1.90	----
09N/01W-09D01	S 08-08-51	76	----	----	----	109.	21.0	235.	----	321	0	326.	172.	.8	.50	----



P04	R	DS	HARD. CARB.	HARD. N.C.	ALK. CACO3	COND	PH	COD	DOC	PHENOLS	OIL & GREASE	MBAS	AS	TOTAL CR	CR+6	CU	TOTAL HG
----	2.00	850	168	0	----	1250	7.7	----	----	----	----	----	----	----	----	----	----
----	2.90	1060	199	16	----	1670	8.2	----	----	----	----	----	----	----	----	----	----
----	3.30	1160	187	0	----	1730	7.7	----	----	.000	.000	----	----	----	----	----	----
----	3.40	824	146	0	----	----	7.6	----	----	----	----	----	----	----	----	----	----
----	4.80	1250	231	----	----	1550	7.9	----	----	.000	----	----	----	----	----	----	----
----	3.40	1170	241	37	----	1860	7.3	----	----	----	----	----	----	----	----	----	----
----	----	----	224	38	----	1790	7.8	----	----	----	----	----	----	----	----	----	----
----	----	----	245	69	----	1760	7.8	----	----	----	----	----	----	----	----	----	----
----	----	1240	255	----	174	----	7.7	----	----	.000	.000	.200	----	.000	.000	----	----
----	3.60	1190	254	78	176	1840	7.5	----	----	----	----	----	----	----	----	----	----
----	3.20	855	----	----	----	1260	8.2	----	----	.000	1.50	----	----	----	.000	----	----
----	1.20	996	----	----	----	1530	8.2	----	----	----	----	----	----	----	----	----	----
----	3.60	----	156	----	----	----	7.6	----	----	----	----	----	----	----	----	----	----
----	4.80	1250	231	----	----	15500	7.9	----	----	.000	----	----	----	----	----	----	----
----	3.20	1180	237	37	----	18600	7.3	----	----	----	----	----	----	----	----	----	----
----	4.00	1200	211	0	----	18700	7.9	----	----	----	----	----	----	----	----	----	----
----	1.80	1370	310	----	----	20200	7.8	----	----	----	----	----	----	----	----	----	----
----	2.30	1360	290	----	----	18800	8.0	----	----	----	----	----	----	----	----	----	----
----	----	1400	313	----	----	----	8.2	----	----	0.02	0.60	----	----	----	----	----	----
----	2.50	1280	233	----	----	18900	7.8	----	----	----	----	----	----	----	----	----	----
----	.42	390	168	----	----	6300	7.9	----	----	----	----	----	.000	----	----	----	----
----	.40	416	180	----	----	7040	7.2	----	----	----	----	----	----	----	----	----	----
----	.19	382	191	----	----	6260	7.8	----	----	----	----	----	----	----	----	----	----
----	8.40	1200	163	----	----	1810	7.7	----	----	----	----	----	----	----	----	----	----
----	----	1240	175	----	187	----	8.6	----	----	.000	.300	.160	----	.000	.000	.000	----
----	3.50	747	----	----	----	1170	8.3	----	----	----	----	----	----	----	----	----	----
----	1.70	1450	546	255	----	2080	7.7	----	----	----	----	----	----	----	----	----	----
----	----	687	189	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	----	1040	298	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	----	----	196	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	----	332	155	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	----	375	179	----	----	530	7.7	----	----	----	----	----	----	----	----	----	----
----	.80	778	298	----	----	1180	7.9	----	----	----	----	----	----	----	----	----	----
----	----	850	305	----	----	----	8.2	----	----	----	1.20	----	----	----	----	----	----
----	----	850	300	----	----	----	7.2	----	----	----	----	.200	----	----	----	----	----
----	.00	.74	880	84	----	1420	7.6	----	----	.000	.000	.100	----	.000	.000	----	----
----	----	1040	340	----	----	1420	7.0	----	----	.000	----	.080	----	----	.000	----	----
----	----	1060	342	----	----	----	7.3	----	----	----	----	.170	----	----	----	----	----
----	----	1060	316	----	----	1460	6.8	----	----	.000	5.00	1.70	----	.000	.000	----	----
----	----	1210	335	----	----	1980	8.0	----	----	.130	7.20	.020	----	----	.000	----	----
----	----	1160	345	----	----	----	7.3	----	----	.180	12.0	.030	----	----	.000	----	----
----	----	1320	535	----	----	2300	----	----	----	.000	.800	.120	----	----	.000	----	----
----	.08	1110	311	----	----	----	----	----	----	.000	7.50	.200	----	.020	.000	----	----
----	----	----	----	----	----	----	----	----	----	.000	3.10	.050	----	----	----	----	----
----	----	958	393	----	----	----	7.8	----	----	----	2.40	.400	----	----	.000	----	----
----	----	----	----	----	----	----	7.9	----	----	.010	6.40	.130	----	----	.000	----	----
----	----	----	----	----	----	----	----	----	----	.000	7.20	.060	----	----	.000	----	----
----	----	----	----	----	----	----	----	----	----	----	----	----	----	.040	----	----	----
----	----	----	----	----	----	----	----	----	----	.010	1.00	.130	----	.000	.000	----	----
----	----	----	----	----	----	----	----	----	----	.000	.120	4.20	----	.007	.000	----	----
----	----	----	----	----	----	----	----	----	----	.008	8.00	6.80	----	----	.000	----	----
----	----	1570	701	----	----	----	6.7	----	----	.005	.000	.100	----	.010	.000	----	----
----	----	1560	564	----	----	----	7.0	----	----	----	.000	.015	----	----	.000	----	----
----	----	1440	----	----	----	2100	----	----	----	.000	.300	.100	----	.004	.000	----	----
----	----	1320	----	----	----	2100	----	----	----	.000	.500	.100	----	.000	.000	----	----
----	----	1350	455	----	----	1970	7.6	----	----	.036	6.50	.270	----	----	----	----	----
----	----	----	----	----	----	----	----	----	----	.000	.300	.110	----	.000	.000	----	----
----	4.20	1140	106	20	----	1750	8.4	----	----	----	----	----	.000	----	----	----	----
----	3.00	1010	88	0	----	1650	8.4	----	----	----	----	----	----	----	----	----	----
----	----	965	110	----	177	----	7.7	----	----	----	----	----	----	----	----	----	----
----	----	1000	90	----	----	----	7.6	----	----	.000	.000	.060	----	.000	.000	----	----
----	.24	801	----	----	----	1120	----	----	----	----	----	----	----	----	----	----	----
----	.12	----	----	----	----	----	----	11.0	4.70	----	.600	.700	----	----	----	----	----
----	.85	915	420	100	317	1370	8.3	----	----	----	----	----	.000	----	----	----	----
----	.86	924	430	100	326	1360	7.8	----	----	----	----	----	----	----	----	.010	.0003
----	2.10	1060	346	----	----	1680	8.2	----	----	----	----	----	----	----	----	----	----



WELL NUMBER	DATE	DEPTH (FT)	TEMP (C)	SI02	TOTAL FE	CA	MG	NA	K	4C03	C03	504	CL	F	NO2+ NO3	NH4
09N/01W-09D01	S 03-01-54	76	----	30.0	.00	94.0	18.0	215.	3.6	325	17	259.	138.	2.2	.00	----
09N/01W-09D01	S 04-08-59	76	----	----	.08	66.0	12.0	260.	2.0	435	0	201.	148.	2.0	.00	----
09N/01W-09D01	S 12-28-61	76	----	33.0	----	158.	28.0	348.	4.8	271	0	564.	308.	2.0	----	----
09N/01W-09D01	S 12-07-67	76	----	----	----	----	----	----	----	----	----	----	370.	----	----	----
09N/01W-09D01	S 03-08-72	76	----	----	----	----	----	----	----	----	----	----	----	----	----	.080
09N/01W-09D01	S 03-14-72	76	21.0	43.0	.08	150.	24.0	430.	6.7	366	0	650.	310.	1.5	1.30	----
09N/01W-09D02	S 10-14-58	106	----	33.0	----	152.	29.0	554.	16.0	397	0	921.	330.	.8	8.00	----
09N/01W-09D02	S 04-08-59	106	----	----	.16	94.0	20.0	268.	2.0	371	0	344.	170.	1.0	1.00	----
09N/01W-09D02	S 08-09-61	106	----	26.0	----	159.	33.0	240.	4.4	387	0	448.	199.	1.0	2.00	----
09N/01W-09D02	S 03-24-64	106	----	18.0	----	127.	37.0	335.	5.5	289	0	544.	270.	1.2	7.30	----
09N/01W-09E01	S 10-30-50	106	----	38.0	----	54.0	16.0	179.	----	----	----	----	121.	----	----	----
09N/01W-09F01	S 07-29-58	117	23.0	24.0	----	218.	44.0	308.	5.3	307	0	562.	378.	.8	----	----
09N/01W-09F01	S 04-08-59	117	----	----	.02	164.	30.0	292.	4.0	316	0	437.	318.	1.0	8.80	----
09N/01W-09F03	S 04-08-59	150	----	----	.07	176.	40.0	200.	4.0	353	0	380.	258.	.8	1.00	----
09N/01W-09G01	S 08-09-51	62	----	----	.00	55.0	12.0	55.0	----	201	0	74.0	43.0	----	3.50	----
09N/01W-09G01	S 03-25-54	62	----	----	.00	108.	22.0	89.0	3.0	339	0	144.	99.0	.4	.80	----
09N/01W-09G01	S 07-22-54	62	15.0	----	----	105.	23.0	80.0	2.7	329	0	122.	89.0	.8	.00	----
09N/01W-09G01	S 05-19-55	62	----	16.0	.00	99.0	20.0	80.0	2.8	309	0	116.	86.0	.5	.60	----
09N/01W-09G01	S 09-14-55	62	----	----	----	----	----	----	----	276	0	----	92.0	----	----	----
09N/01W-09G01	S 04-18-56	62	----	----	----	----	----	----	----	344	0	----	83.0	----	----	----
09N/01W-09G01	S 12-18-56	62	----	22.0	----	103.	28.0	138.	2.3	336	0	246.	106.	.5	.60	----
09N/01W-09G01	S 07-09-57	62	----	----	----	----	----	----	----	348	0	----	76.0	----	----	----
09N/01W-09G01	S 07-10-57	62	----	32.0	----	74.0	18.0	118.	3.1	351	0	123.	78.0	.8	.00	----
09N/01W-09G01	S 10-23-57	62	21.0	25.0	----	89.0	17.0	132.	2.8	379	0	154.	80.0	1.2	1.00	----
09N/01W-09G01	S 12-05-57	62	----	----	----	83.0	18.0	123.	2.7	378	0	121.	73.0	1.2	.50	----
09N/01W-09G01	S 03-28-58	62	----	----	----	----	----	----	----	193	0	----	77.0	----	----	----
09N/01W-09G01	S 07-29-58	62	22.0	19.0	----	104.	27.0	124.	2.8	473	0	118.	83.0	.4	.00	----
09N/01W-09G01	S 10-14-58	62	----	33.0	----	35.0	19.0	130.	4.1	253	0	118.	89.0	.5	1.90	----
09N/01W-09G01	S 12-04-58	62	----	----	1.00	----	----	----	----	476	0	----	86.0	----	----	----
09N/01W-09G01	S 03-24-59	62	----	26.0	----	107.	13.0	116.	3.5	461	0	82.0	90.0	.9	1.00	----
09N/01W-09G01	S 04-08-59	62	----	----	1.10	102.	23.0	114.	4.0	470	0	87.0	88.0	.8	.00	----
09N/01W-09G01	S 05-26-59	62	----	----	----	112.	24.0	113.	3.0	483	0	84.0	94.0	.8	.00	----
09N/01W-09G01	S 11-03-59	62	----	----	----	----	----	----	----	495	0	----	99.0	----	----	----
09N/01W-09G01	S 03-02-60	62	----	----	----	69.0	25.0	118.	3.6	342	0	94.0	96.0	.7	.70	----
09N/01W-09G01	S 03-30-60	62	21.0	23.0	----	114.	25.0	118.	3.6	493	0	98.0	95.0	.8	.00	----
09N/01W-09G01	S 08-07-61	62	----	----	----	----	----	----	----	465	0	----	108.	----	----	----
09N/01W-09G02	S 03-25-59	62	22.0	25.0	----	86.0	17.0	129.	3.9	278	0	177.	123.	.1	1.00	----
09N/01W-09G03	S 03-25-54	72	----	----	----	69.0	15.0	77.0	3.0	270	0	90.0	63.0	.5	.60	----
09N/01W-09G03	S 07-10-57	72	----	32.0	----	86.0	19.0	110.	3.5	436	0	78.0	80.0	.7	.00	----
09N/01W-09G03	S 10-23-57	72	21.0	30.0	----	88.0	14.0	100.	3.6	382	0	78.0	77.0	.6	.00	----
09N/01W-09G03	S 07-29-58	72	----	22.0	----	81.0	17.0	120.	2.8	409	0	78.0	96.0	.4	.00	----
09N/01W-09G03	S 10-15-58	72	----	----	----	82.0	19.0	108.	3.0	344	0	73.0	78.0	.4	.00	----
09N/01W-09G03	S 04-08-59	72	----	----	1.40	84.0	20.0	110.	2.0	394	0	83.0	80.0	.4	.00	----
09N/01W-09G03	S 05-06-59	72	----	----	3.20	82.0	18.0	120.	2.6	407	13	76.0	79.0	.6	.00	----
09N/01W-09G03	S 06-29-61	72	----	22.0	----	74.0	12.0	109.	2.0	358	0	86.0	70.0	.5	.00	----
09N/01W-09G03	S 06-18-64	72	----	29.0	----	86.0	21.0	126.	2.0	381	0	125.	90.0	.7	1.20	----
09N/01W-09G03	S 03-17-72	72	----	----	----	----	----	----	----	----	----	----	----	----	----	.080
09N/01W-09G03	S 03-21-72	72	20.0	30.0	.02	52.0	9.9	110.	2.3	190	0	160.	47.0	.5	5.30	----
09N/01W-09G03	S 03-28-72	72	18.3	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-09G04	S 07-29-58	52	----	22.0	----	95.0	22.0	83.0	3.1	366	0	101.	78.0	.4	1.20	----
09N/01W-09G04	S 10-14-58	52	----	24.0	----	113.	24.0	129.	3.4	320	5	230.	110.	.4	7.00	----
09N/01W-09G04	S 10-15-58	52	----	----	.00	124.	27.0	126.	3.0	313	24	210.	116.	.5	.00	----
09N/01W-09G04	S 04-08-59	52	----	----	.03	80.0	20.0	100.	3.0	340	0	112.	74.0	.8	4.20	----
09N/01W-09G05	S 12-14-51	41	----	----	----	64.0	16.0	70.0	----	214	0	113.	65.0	.4	2.50	----
09N/01W-09G07	S 10-07-71	50	19.5	28.0	.02	120.	23.0	130.	3.6	314	0	220.	140.	.7	7.20	----
09N/01W-09G07	S 03-07-72	50	----	----	----	----	----	----	----	----	----	----	----	----	----	.120
09N/01W-09G07	S 03-15-72	50	20.5	32.0	.05	120.	24.0	180.	4.8	402	0	250.	150.	.7	11.0	----
09N/01W-09G07	S 03-28-72	50	19.6	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-09G08	S 03-07-72	101	----	----	----	----	----	----	----	----	----	----	----	----	----	.000
09N/01W-09G08	S 03-14-72	101	18.5	31.0	.06	130.	24.0	140.	4.8	419	0	190.	140.	.7	1.20	----
09N/01W-09G08	S 03-28-72	101	18.4	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-09H01	S 05-06-59	10	----	----	.60	54.0	16.0	80.0	2.6	236	19	78.0	54.0	.6	.00	----
09N/01W-09H04	S 04-14-70	225	----	----	----	144.	12.0	144.	1.0	412	0	190.	138.	.6	2.00	.000
09N/01W-09H04	S 06-01-70	225	----	----	----	----	----	----	----	----	----	----	----	----	3.50	.009
09N/01W-09H04	S 06-04-70	225	----	----	----	----	----	----	----	----	----	----	----	----	3.50	.009
09N/01W-09H04	S 12-16-70	225	----	----	----	----	----	200.	----	----	----	170.	131.	.6	----	----
09N/01W-09H04	S 03-08-71	225	----	----	----	148.	14.0	132.	6.0	415	0	176.	124.	.7	6.00	----
09N/01W-09H04	S 10-13-71	225	15.0	35.0	.02	110.	21.0	210.	3.1	474	0	170.	150.	.4	.10	----
09N/01W-09H04	S 03-17-72	225	----	----	----	----	----	----	----	----	----	----	----	----	----	.040
09N/01W-09H04	S 03-21-72	225	19.5	30.0	.02	120.	22.0	140.	4.1	412	0	200.	130.	.5	1.60	----



P04	A	DS	HARD. CARB.	HARD. N.C.	ALK. CAC03	COND	PH	COD	DOC	PHENOLS	OIL & GREASE	MBAS	AS	TOTAL CR	CR+6	CU	TOTAL HG
----	1.50	940	309	----	----	1350	8.4	----	----	----	----	----	----	----	----	----	----
----	1120	215	----	357	----	----	----	----	----	.000	.000	.900	----	.000	.000	----	----
.04	4.20	1630	522	300	----	2400	7.5	----	----	.000	----	.160	----	----	----	----	----
----	2250	----	----	----	----	3140	----	----	----	0.00	0.40	.120	----	----	0.00	----	----
.13	----	----	----	----	----	----	----	11.0	----	----	.400	.020	----	----	----	----	----
----	3.80	1800	470	170	300	2710	7.7	----	.800	----	----	----	.020	----	----	----	----
----	3.00	2970	500	----	----	3000	8.0	----	----	----	----	----	----	----	----	----	----
----	1270	315	----	304	----	----	7.4	----	----	.000	.000	.620	----	.000	.000	----	----
----	1.20	1320	532	215	----	1990	7.3	----	----	----	----	----	----	----	----	----	----
----	3.20	1450	470	233	----	2000	8.0	----	----	----	----	----	----	----	----	----	----
----	.10	865	204	----	----	----	8.0	----	----	----	----	----	----	----	----	----	----
----	1.10	1740	725	----	----	2610	7.4	----	----	----	----	----	----	----	----	----	----
----	1570	534	----	259	----	----	7.6	----	----	.000	.000	.200	----	.000	.000	----	----
----	1410	605	----	289	----	----	7.5	----	----	.000	.000	.200	----	.000	.000	----	----
.14	383	----	----	----	----	550	8.4	----	----	----	----	----	----	----	----	----	----
----	790	360	----	265	----	7.3	----	----	----	----	----	----	----	----	----	----	----
----	.68	727	356	87	----	952	7.3	----	----	----	----	----	----	----	----	----	----
----	1.20	608	----	----	----	975	7.6	----	----	----	----	----	----	----	----	----	----
----	328	----	----	----	----	1020	7.9	----	----	----	----	----	----	----	----	----	----
----	315	----	----	----	----	968	7.9	----	----	----	----	----	----	----	----	----	----
----	1.20	884	250	----	----	1300	7.7	----	----	----	----	----	----	----	----	----	----
----	710	259	----	----	----	975	7.9	----	----	----	----	----	----	----	----	----	----
----	2.10	671	292	0	----	1030	7.4	----	----	----	----	----	----	----	----	----	----
----	1.80	652	280	0	----	877	7.8	----	----	.000	----	----	----	----	----	----	----
----	1030	7.8	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	.70	763	127	----	----	812	8.3	----	----	----	----	----	----	----	----	----	----
----	1.80	572	373	----	----	1180	7.6	----	----	----	----	----	----	----	----	----	----
----	572	165	----	----	----	888	8.2	----	----	----	----	----	----	----	----	----	----
----	352	----	----	----	----	1090	7.5	----	----	----	----	----	----	----	----	----	----
----	1.40	841	322	0	----	1110	7.4	----	----	----	----	----	----	----	----	----	----
----	890	349	----	385	----	7.6	----	----	----	.000	.700	.900	----	.000	.000	----	----
----	1.50	722	374	0	----	1360	7.2	----	----	----	----	----	----	----	----	----	----
----	347	----	----	----	----	1170	7.3	----	----	----	----	----	----	----	----	----	----
----	1.20	655	274	0	----	1070	7.8	----	----	----	----	----	----	----	----	----	----
----	1.20	735	388	----	----	1180	7.3	----	----	----	----	----	----	----	----	----	----
----	.80	744	387	7	----	1200	7.5	----	----	.000	9.60	1.30	----	.000	----	----	----
----	234	286	----	----	----	991	7.7	----	----	----	----	----	----	----	----	----	----
----	1.10	760	234	1	----	7.4	----	----	----	----	----	----	----	----	----	----	----
----	1.30	581	298	0	----	1020	7.6	----	----	----	----	----	----	----	----	----	----
----	581	227	0	----	----	771	7.7	----	----	----	----	----	----	----	----	----	----
----	.50	679	274	0	----	1030	7.4	----	----	----	----	----	----	----	----	----	----
----	536	285	----	----	----	8.3	----	----	----	0.05	1.10	----	----	----	----	----	----
----	770	290	----	323	----	7.4	----	----	----	.000	.000	.400	----	.000	.000	----	----
----	680	280	----	355	----	8.5	----	----	----	.000	0.90	.660	----	.000	.000	----	----
----	1.10	492	233	0	----	884	7.8	----	----	.000	----	----	----	----	----	----	----
----	.82	687	301	0	----	1040	----	----	----	----	----	----	----	----	----	----	----
.24	----	----	----	----	----	----	----	16.0	----	----	.300	.050	----	----	----	----	----
----	.47	529	170	15	156	778	7.9	----	----	----	----	----	.007	----	----	----	----
----	617	325	----	----	----	978	7.7	----	----	----	----	----	----	----	----	----	----
----	.75	832	383	----	----	1220	8.4	----	----	----	----	----	----	----	----	----	----
----	898	420	----	297	----	8.4	----	----	----	.040	.900	.000	----	----	----	----	----
----	730	280	----	278	----	7.4	----	----	----	.000	.000	.350	----	.000	.000	----	----
----	.55	450	----	----	----	740	7.5	----	----	----	----	----	----	----	----	----	----
----	.67	853	390	140	258	1320	7.7	----	----	----	----	----	----	----	----	.010	.0006
----	.11	1010	400	69	330	1530	7.5	----	4.40	----	.400	.120	----	.008	----	----	----
----	.06	873	420	80	344	1400	7.6	12.0	3.10	----	.400	1.10	----	.020	----	----	----
----	.93	873	420	80	344	1400	7.6	3.10	----	----	----	----	----	----	----	----	----
----	.445	201	----	224	----	9.1	----	----	----	.000	.100	.300	----	.000	.000	.000	----
----	1.40	917	410	----	----	1340	7.2	.000	----	.000	----	2.00	----	.000	.000	----	----
.03	----	----	----	----	----	1390	8.3	----	----	.000	----	3.00	----	.000	.000	----	----
.03	----	----	----	----	----	1390	8.3	----	----	.000	----	3.00	----	.000	.000	----	----
----	1.20	1160	340	----	----	1340	7.6	----	----	.000	----	1.00	----	.000	.000	----	----
----	.50	835	430	----	----	1530	7.4	----	----	----	----	.900	----	----	----	.020	.0001
----	.93	935	360	0	389	----	7.9	5.00	----	----	1.30	1.10	----	----	----	----	----
.06	.87	857	390	52	338	1330	7.9	3.10	----	----	----	.002	----	----	----	----	----



WELL NUMBER	DATE	DEPTH (FT)	TEMP (C)	SI02	TOTAL FE	CA	MG	NA	K	HC03	C03	S04	CL	F	NO2+ NO3	NH4
09N/01W-09H05 S	10-07-71	48	17.5	27.0	.02	120.	21.0	110.	3.6	335	0	170.	150.	.4	.70	----
09N/01W-09H05 S	03-14-72	48	----	----	----	----	----	----	----	----	----	----	----	----	----	.100
09N/01W-09H05 S	03-21-72	48	20.0	46.0	.04	97.0	18.0	200.	3.6	397	0	240.	150.	.4	.10	----
09N/01W-09H05 S	03-28-72	48	19.0	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-09H05 S	05-16-72	48	----	----	.35	109.	12.0	191.	3.4	290	27	220.	142.	.3	.00	----
09N/01W-09H05 S	06-21-72	48	----	----	.40	102.	21.0	189.	3.3	316	0	220.	150.	.5	.00	----
09N/01W-09H05 S	07-20-72	48	----	----	1.00	104.	20.0	188.	3.0	317	0	215.	146.	.6	.40	----
09N/01W-09H05 S	08-18-72	48	----	----	1.30	108.	22.0	190.	2.4	342	0	198.	148.	.5	.50	----
09N/01W-09H05 S	09-14-72	48	----	----	.26	110.	21.0	182.	3.0	334	0	206.	148.	.6	.40	----
09N/01W-09H06 S	03-14-72	53	----	----	----	----	----	----	----	----	----	----	----	----	----	.060
09N/01W-09H06 S	03-21-72	53	18.0	29.0	.03	130.	22.0	160.	4.1	430	0	190.	130.	.2	.10	----
09N/01W-09H06 S	03-28-72	53	17.6	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-09H07 S	03-14-72	101	----	----	----	----	----	----	----	----	----	----	----	----	----	.060
09N/01W-09H07 S	03-21-72	101	18.5	29.0	.01	160.	28.0	170.	4.7	495	0	260.	150.	.3	1.10	----
09N/01W-09H07 S	03-28-72	101	17.6	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-09H07 S	05-16-72	101	----	----	1.03	168.	22.0	160.	4.4	351	42	257.	140.	.2	2.40	----
09N/01W-09H07 S	06-21-72	101	----	----	1.02	160.	29.0	164.	5.3	386	0	259.	147.	.5	2.00	----
09N/01W-09H07 S	07-20-72	101	----	----	1.90	142.	27.0	156.	4.0	382	0	259.	142.	.6	3.00	----
09N/01W-09H07 S	08-18-72	101	----	----	1.54	160.	28.0	160.	4.3	400	0	258.	138.	.5	1.50	----
09N/01W-09H07 S	09-14-72	101	----	----	.32	158.	27.0	168.	5.0	386	0	263.	141.	.6	1.40	----
09N/01W-09H08 S	03-13-72	101	----	----	----	----	----	----	----	----	----	----	----	----	----	.000
09N/01W-09H08 S	03-21-72	101	----	27.0	.01	140.	22.0	140.	4.5	448	0	190.	120.	.3	1.00	----
09N/01W-09H08 S	03-28-72	101	18.5	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-10A02 S	07-31-59	30	----	----	----	----	----	----	----	206	0	----	122.	.9	----	----
09N/01W-10D02 S	08-10-51	132	----	20.0	----	63.0	11.0	95.0	----	256	0	120.	46.0	----	2.00	----
09N/01W-10D02 S	11-28-51	132	----	----	----	63.0	13.0	92.0	----	247	0	141.	52.0	.4	.90	----
09N/01W-10D02 S	07-22-54	132	15.0	----	----	58.0	12.0	64.0	2.6	232	0	81.0	40.0	.6	3.50	----
09N/01W-10D02 S	05-19-55	132	----	14.0	.00	67.0	13.0	86.0	2.4	253	0	132.	51.0	.5	.60	----
09N/01W-10D02 S	09-14-55	132	----	----	----	----	----	----	----	237	0	----	54.0	----	----	----
09N/01W-10D02 S	04-18-56	132	----	----	----	50.0	9.0	72.0	2.2	220	0	84.0	39.0	.4	4.50	----
09N/01W-10D02 S	07-09-57	132	----	----	----	44.0	7.0	65.0	1.6	204	0	65.0	34.0	.5	5.30	----
09N/01W-10D02 S	12-05-57	132	----	----	----	66.0	14.0	88.0	2.6	263	0	124.	55.0	.5	.00	----
09N/01W-10D02 S	03-24-59	132	----	23.0	----	48.0	8.0	61.0	2.8	199	0	65.0	36.0	.7	1.00	----
09N/01W-10D02 S	04-09-59	132	----	----	3.40	54.0	8.5	68.0	2.0	208	0	92.0	41.0	.4	.70	----
09N/01W-10D02 S	05-27-59	132	----	----	----	48.0	7.0	58.0	2.5	198	0	62.0	34.0	.5	.40	----
09N/01W-10D02 S	07-31-59	132	----	24.0	----	50.0	11.0	64.0	2.7	199	0	82.0	41.0	.9	1.00	----
09N/01W-10D02 S	11-03-59	132	----	----	----	----	----	----	----	196	0	----	37.0	----	----	----
09N/01W-10D02 S	03-03-60	132	----	----	----	47.0	9.0	56.0	2.6	168	0	62.0	40.0	.6	.30	----
09N/01W-10D02 S	03-29-60	132	----	21.0	----	59.0	11.0	84.0	2.6	251	0	102.	43.0	.8	.00	----
09N/01W-10D02 S	08-24-60	132	20.0	16.0	----	49.0	11.0	61.0	1.6	198	0	70.0	40.0	.5	1.00	----
09N/01W-10D02 S	08-09-61	132	20.0	----	----	----	----	----	----	205	0	----	44.0	----	----	----
09N/01W-10D02 S	07-17-63	132	18.0	26.0	----	64.0	15.0	70.0	3.2	227	0	112.	51.0	.7	3.00	----
09N/01W-10D02 S	03-24-64	132	----	18.0	----	69.0	13.0	75.0	3.0	242	0	115.	48.0	.4	.00	----
09N/01W-10D02 S	04-13-64	132	----	----	----	66.0	11.0	65.0	2.8	236	0	102.	46.0	.6	1.50	----
09N/01W-10D02 S	02-06-65	132	----	----	----	71.0	12.0	73.0	2.0	248	0	114.	52.0	.5	1.30	----
09N/01W-10D02 S	06-16-65	132	----	----	----	77.0	14.0	73.0	1.0	251	0	122.	52.0	.6	1.00	----
09N/01W-10D02 S	12-20-65	132	----	----	----	70.0	16.0	78.0	3.1	265	0	117.	51.0	.5	1.00	----
09N/01W-10D02 S	07-20-66	132	----	----	----	61.0	11.0	62.0	2.2	223	0	86.0	41.0	.4	1.00	----
09N/01W-10D02 S	12-28-66	132	----	----	----	82.0	12.0	77.0	3.2	267	0	124.	52.0	.5	1.00	----
09N/01W-10D02 S	08-30-67	132	----	----	----	93.0	14.0	92.0	3.5	286	0	156.	60.0	.5	.70	----
09N/01W-10D02 S	03-11-68	132	----	----	----	68.0	11.0	70.0	3.1	244	0	111.	44.0	.6	1.60	----
09N/01W-10D02 S	09-11-68	132	----	----	----	60.0	11.0	64.0	2.7	232	0	91.0	39.0	.5	1.50	----
09N/01W-10D02 S	04-14-69	132	----	----	----	78.0	14.0	80.0	3.2	240	15	135.	50.0	.5	1.00	----
09N/01W-10D02 S	11-04-69	132	----	----	----	70.0	12.0	72.0	3.0	240	7	116.	48.0	.6	1.90	----
09N/01W-10D02 S	11-20-70	132	----	----	----	98.0	17.0	100.	3.5	308	0	183.	71.0	.5	2.60	----
09N/01W-10D02 S	04-23-71	132	----	----	----	102.	16.0	101.	3.9	294	0	180.	73.0	.5	3.00	----
09N/01W-10D02 S	03-10-72	132	----	----	----	----	----	----	----	----	----	----	----	----	----	.060
09N/01W-10D02 S	03-22-72	132	19.0	27.0	.01	120.	21.0	120.	4.3	350	0	240.	85.0	.6	.90	----
09N/01W-10E01 S	07-10-57	28	----	30.0	----	64.0	16.0	66.0	2.3	288	0	62.0	51.0	.7	.00	----
09N/01W-10E01 S	04-15-58	28	----	26.0	----	72.0	19.0	66.0	2.4	308	0	63.0	53.0	1.0	6.00	----
09N/01W-10E01 S	07-29-58	28	----	19.0	----	74.0	15.0	72.0	2.4	310	0	71.0	57.0	.6	.00	----
09N/01W-10E01 S	04-08-59	28	----	----	.16	98.0	17.0	75.0	2.0	310	0	64.0	56.0	.6	.00	----
09N/01W-10E01 S	06-18-64	28	----	26.0	----	75.0	18.0	95.0	2.0	343	0	89.0	63.0	.8	.00	----
09N/01W-10E01 S	12-07-67	28	----	----	----	----	----	----	----	----	----	124.	----	----	----	----
09N/01W-10F01 S	10-07-71	52	18.0	26.0	----	110.	19.0	100.	3.8	375	0	140.	98.0	.4	.32	----
09N/01W-10F01 S	03-17-72	52	----	----	.01	----	----	----	----	----	----	----	----	----	----	.040
09N/01W-10F01 S	03-21-72	52	19.0	27.0	.03	110.	20.0	100.	4.1	382	0	150.	98.0	.3	.40	----
09N/01W-10F01 S	03-28-72	52	18.4	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-10F02 S	10-13-71	101	18.5	27.0	.02	130.	23.0	110.	4.1	432	0	160.	92.0	.4	.35	----
09N/01W-10F02 S	03-13-72	101	----	----	----	----	----	----	----	----	----	----	----	----	----	.080
09N/01W-10F02 S	03-21-72	101	18.5	27.0	.01	140.	22.0	110.	4.3	432	0	160.	130.	.3	.40	----



PO4	P	DS	HARD. CARB.	HARD. N.C.	ALK. CAC03	COND	PH	COD	DOC	PHENOLS	OIL & GREASE	MBAS	AS	TOTAL CR	CR+6	CU	TOTAL HG
-----	.59	771	390	110	275	1210	7.6	-----	-----	-----	-----	-----	-----	-----	-----	.020	.020
1.60	-----	-----	-----	-----	-----	-----	-----	16.0	-----	-----	.400	.260	-----	-----	-----	-----	-----
-----	.78	951	320	0	326	1450	7.4	-----	5.50	-----	-----	-----	.004	-----	-----	-----	-----
-----	-----	905	-----	-----	-----	-----	8.5	-----	-----	-----	-----	.630	-----	-----	-----	-----	-----
-----	-----	920	-----	-----	-----	-----	7.7	-----	-----	-----	-----	.400	-----	-----	-----	-----	-----
-----	-----	925	-----	-----	-----	-----	7.9	-----	-----	-----	-----	.520	-----	-----	-----	-----	-----
-----	-----	955	-----	-----	-----	-----	7.7	-----	-----	-----	-----	.420	-----	-----	-----	-----	-----
-----	-----	950	-----	-----	-----	-----	7.7	-----	-----	-----	-----	.440	-----	-----	-----	-----	-----
.11	-----	-----	-----	-----	-----	-----	-----	15.0	-----	-----	.500	1.10	-----	-----	-----	-----	-----
-----	.76	878	410	62	353	1430	7.6	-----	5.00	-----	-----	-----	.000	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.08	-----	-----	-----	-----	-----	-----	-----	19.0	-----	-----	.900	1.30	-----	-----	-----	-----	-----
-----	.87	1050	510	110	406	1580	7.6	-----	5.10	-----	-----	-----	.005	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	1030	-----	-----	-----	-----	8.5	-----	-----	-----	-----	3.55	-----	-----	-----	-----	-----
-----	-----	995	-----	-----	-----	-----	7.8	-----	-----	-----	-----	2.00	-----	-----	-----	-----	-----
-----	-----	1040	-----	-----	-----	-----	7.8	-----	-----	-----	-----	2.80	-----	-----	-----	-----	-----
-----	-----	1040	-----	-----	-----	-----	7.7	-----	-----	-----	-----	1.80	-----	-----	-----	-----	-----
-----	-----	1080	-----	-----	-----	-----	7.9	-----	-----	-----	-----	2.10	-----	-----	-----	-----	-----
.10	-----	-----	-----	-----	-----	-----	-----	2.00	-----	-----	.400	1.00	-----	-----	-----	-----	-----
-----	.77	869	440	73	367	1340	7.8	-----	5.40	-----	-----	-----	.000	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.16	-----	242	-----	-----	918	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	495	204	-----	-----	730	8.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	486	211	-----	-----	795	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	466	194	4	-----	685	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.17	480	220	-----	-----	806	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	220	-----	-----	808	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.13	278	163	-----	-----	615	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	335	140	0	-----	552	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.14	495	224	8	-----	801	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.18	404	154	-----	-----	566	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	475	170	-----	171	-----	7.5	-----	-----	.000	.000	.060	-----	.000	.000	-----	-----
-----	.00	318	148	0	162	535	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	434	170	-----	-----	597	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	155	-----	-----	547	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.09	308	154	0	-----	533	8.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.16	430	192	-----	-----	700	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.10	374	166	3	-----	561	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	191	23	-----	636	7.5	-----	-----	.000	5.90	-----	-----	.000	-----	-----	-----
-----	.15	484	223	37	-----	740	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.16	466	225	27	-----	700	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.14	422	211	17	194	675	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.17	443	226	22	204	730	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.17	467	250	44	206	789	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.18	495	239	22	217	778	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.17	422	195	12	183	638	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.18	482	253	34	219	801	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.23	587	292	60	232	909	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.14	447	215	15	200	717	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.17	424	191	1	190	619	7.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.24	506	252	31	221	749	8.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.19	448	226	17	209	700	8.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.27	646	313	61	252	1080	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.28	595	322	81	241	1070	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.10	-----	-----	-----	-----	-----	-----	-----	6.00	-----	-----	.800	.160	-----	-----	-----	-----	-----
-----	.30	794	390	99	287	1200	8.1	-----	2.20	-----	-----	-----	.002	-----	-----	-----	-----
-----	1.25	500	225	-----	-----	710	7.6	-----	-----	.000	.000	-----	-----	-----	-----	-----	-----
-----	1.18	455	260	-----	-----	735	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.87	501	245	-----	-----	764	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	620	245	-----	254	-----	7.3	-----	-----	.000	.000	.200	-----	.000	.000	-----	-----
-----	.15	.90	559	261	0	-----	846	7.5	-----	-----	-----	.350	-----	-----	-----	-----	-----
-----	-----	850	-----	-----	-----	1270	-----	-----	-----	.000	1.10	.660	-----	-----	.000	-----	-----
-----	.47	684	350	45	308	1070	8.0	-----	-----	-----	-----	-----	-----	-----	-----	.000	.0002
.02	-----	-----	-----	-----	-----	-----	-----	11.0	-----	-----	.800	.700	-----	-----	-----	-----	-----
-----	.46	699	360	44	313	1110	7.9	-----	3.30	-----	-----	-----	.001	-----	-----	-----	-----
-----	.67	761	420	65	354	1250	7.6	-----	-----	-----	-----	-----	-----	-----	-----	.010	.0008
.06	-----	-----	-----	-----	-----	-----	-----	14.0	-----	-----	.600	1.80	-----	-----	-----	-----	-----
-----	.56	809	440	86	354	1250	7.9	-----	3.90	-----	-----	-----	.000	-----	-----	-----	-----







PO4	R	DS	HARD. CARB.	HARD. N.C.	ALK. CACO3	COND	PH	COD	DOC	PHENOLS	OIL & GREASE	MBAS	AS	TOTAL CR	CR+6	CU	TOTAL HG
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.37	529	260	38	226	831	7.6	-----	-----	-----	-----	-----	-----	-----	-----	.020	.000
.08	-----	-----	-----	-----	-----	-----	-----	7.00	-----	-----	.300	.340	-----	-----	-----	-----	-----
-----	.48	517	260	40	216	810	8.0	-----	2.40	-----	-----	-----	.004	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.32	439	210	20	192	686	7.5	-----	-----	-----	-----	-----	-----	-----	-----	.000	.0001
.09	-----	-----	-----	-----	-----	-----	-----	5.00	-----	-----	.300	.240	-----	-----	-----	-----	-----
-----	-----	498	250	43	205	781	7.8	-----	2.30	-----	-----	-----	.000	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.07	-----	-----	-----	-----	-----	-----	-----	17.0	-----	-----	.600	.900	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.46	724	380	66	316	1140	7.8	-----	3.70	-----	-----	-----	.000	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.20	881	333	-----	-----	1340	7.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.16	1040	-----	-----	-----	1560	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.68	1080	-----	-----	-----	1500	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.24	978	-----	69	-----	1450	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	53	-----	1430	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.24	1030	-----	-----	-----	1500	8.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	413	-----	-----	1610	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.32	914	-----	34	-----	1400	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.38	991	-----	39	-----	1330	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	340	30	-----	1360	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.23	861	-----	38	-----	1330	7.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	359	-----	-----	1350	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	368	37	-----	1320	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.22	837	375	111	-----	1270	7.4	-----	-----	.000	9.50	.020	-----	.000	-----	-----	-----
-----	1.30	1720	564	93	471	2410	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.58	1270	456	79	377	1830	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.50	1030	385	63	322	1560	8.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.27	574	249	15	234	929	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.53	1110	380	2	378	1650	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.46	911	337	0	370	1450	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.81	1490	389	0	552	2250	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.61	1260	355	0	484	1900	8.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.58	1310	336	0	454	1810	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.17	924	302	73	229	896	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.46	1100	377	3	374	1630	8.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.44	1090	380	45	335	1570	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	525	185	-----	-----	-----	7.6	-----	-----	-----	-----	.060	-----	-----	-----	-----	-----
-----	.41	1330	358	0	380	2180	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.33	910	403	115	288	1440	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.10	-----	-----	-----	-----	-----	-----	-----	5.00	-----	-----	.100	.435	-----	-----	-----	-----	-----
-----	.22	721	350	88	265	1090	7.8	-----	2.00	-----	-----	-----	.000	-----	-----	-----	-----
.11	-----	-----	-----	-----	-----	-----	-----	16.0	-----	-----	1.00	.800	-----	-----	-----	-----	-----
-----	.55	745	390	54	332	1190	7.8	-----	4.60	-----	-----	-----	.000	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.70	1190	424	-----	-----	1780	8.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.00	1090	355	-----	-----	1530	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.21	-----	-----	-----	-----	-----	-----	-----	6.00	-----	-----	.900	.020	-----	-----	-----	-----	-----
-----	.30	1180	450	90	385	1700	8.0	-----	2.00	-----	-----	-----	.003	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.49	784	420	98	326	1260	7.8	-----	-----	-----	-----	-----	-----	-----	-----	.000	.010
.10	-----	-----	-----	-----	-----	-----	-----	9.00	-----	-----	.400	.340	-----	-----	-----	-----	-----
-----	.45	824	440	120	326	1310	8.1	-----	3.00	-----	-----	-----	.004	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.62	913	460	120	344	1510	7.5	-----	-----	-----	-----	-----	-----	-----	-----	.000	.0001
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.66	947	480	130	353	1520	7.3	-----	-----	-----	-----	-----	-----	-----	-----	.000	.0009
.11	-----	-----	-----	-----	-----	-----	-----	18.0	-----	-----	.100	.920	-----	-----	-----	-----	-----
-----	.61	927	490	100	383	1510	8.0	-----	5.90	-----	-----	-----	.006	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	970	-----	-----	-----	-----	8.5	-----	-----	-----	-----	.710	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	1050	-----	-----	-----	-----	7.8	-----	-----	-----	-----	.500	-----	-----	-----	-----	-----
-----	-----	1030	-----	-----	-----	-----	8.0	-----	-----	-----	-----	.560	-----	-----	-----	-----	-----
-----	-----	1240	-----	-----	-----	-----	7.8	-----	-----	-----	-----	.460	-----	-----	-----	-----	-----
-----	-----	1020	-----	-----	-----	-----	7.8	-----	-----	-----	-----	.320	-----	-----	-----	-----	-----
1.50	.75	1080	388	-----	340	1540	7.4	-----	-----	-----	-----	.210	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.91	1050	390	-----	370	-----	7.6	-----	-----	-----	-----	.190	-----	-----	-----	-----	-----
-----	.94	1010	385	-----	-----	1650	7.5	-----	-----	-----	-----	.350	-----	-----	-----	-----	-----
-----	.92	1020	390	-----	390	1680	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
2.00	-----	-----	-----	-----	-----	-----	-----	17.0	-----	-----	.200	.220	-----	-----	-----	-----	-----
-----	.99	1080	390	0	422	1740	8.0	-----	6.30	-----	-----	-----	.010	-----	-----	-----	-----







P04	R	DS	HARD. CARB.	HARD. N.C.	ALK. CAC03	COND	PH	COD	DOC	PHENOLS	OIL & GREASE	MBAS	AS	TOTAL CR	CR+6	CU	TOTAL HG
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	1.70	756	126	----	----	1160	8.4	----	----	----	----	----	----	----	----	----	----
----	1.30	797	180	----	----	1080	8.6	----	----	----	----	----	----	----	----	----	----
----	----	1000	230	----	201	----	7.9	----	----	.000	.000	.280	----	.000	.000	----	----
----	2.50	992	62	0	171	1580	8.2	----	----	----	----	----	----	----	----	----	----
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	1.40	895	233	29	204	1340	7.6	----	----	----	----	----	----	----	----	----	----
----	1.60	392	180	----	----	----	7.7	----	----	----	----	----	----	----	----	----	----
----	----	460	175	----	181	----	----	----	----	.000	.000	.050	----	.000	.000	----	----
----	----	----	----	----	----	1280	----	----	----	----	----	1.20	----	----	----	----	----
----	----	----	----	----	----	1450	----	----	----	----	----	1.40	----	----	----	----	----
----	----	----	----	----	----	----	----	----	----	----	----	1.60	----	----	----	----	----
----	.30	378	184	----	----	604	7.5	----	----	----	----	----	----	----	----	----	----
----	----	465	185	----	182	----	7.4	----	----	.000	.000	.050	----	.000	.000	----	----
----	----	490	255	----	----	775	7.7	----	----	.000	.100	.290	----	.000	.000	----	----
----	----	----	----	----	----	1470	----	----	----	----	----	2.40	----	----	----	----	----
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	----	----	----	----	----	1640	----	----	----	----	----	.620	----	----	----	----	----
----	----	----	----	----	----	1560	----	----	----	----	----	1.20	----	----	----	----	----
----	.30	.02	1080	412	308	1550	7.3	----	----	----	----	.420	----	----	----	----	----
----	.86	1110	380	----	353	----	7.4	----	----	----	----	.410	----	----	----	----	----
----	1.06	1060	391	----	----	1710	7.5	----	----	----	----	.530	----	----	----	----	----
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	.87	1080	390	----	370	1730	7.2	----	----	----	.400	----	----	----	----	----	----
----	.21	----	----	----	----	----	18.0	----	----	----	----	.300	----	----	----	----	----
----	.97	973	330	0	351	1550	7.5	----	6.30	----	----	----	.007	----	----	----	----
----	----	924	480	----	----	----	7.4	----	----	0.10	1.00	2.20	----	----	0.00	----	----
----	----	----	----	----	----	1070	----	----	----	----	----	.900	----	----	----	----	----
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	----	----	----	----	----	1070	----	----	----	----	----	.220	----	----	----	----	----
----	----	----	----	----	----	1140	----	----	----	----	----	.120	----	----	----	----	----
----	.01	----	----	----	----	----	1.00	----	----	----	.200	.005	----	----	----	----	----
----	.73	511	130	0	146	793	8.0	----	.300	----	----	----	.007	----	----	----	----
----	.50	680	238	41	----	1060	8.0	----	----	----	----	----	----	----	----	----	----
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	.15	----	----	----	----	763	8.3	----	----	.000	----	.040	----	.000	.000	----	----
----	.09	----	----	----	----	----	----	----	----	----	----	.030	----	----	----	----	----
----	.41	581	220	0	218	----	----	----	2.40	----	----	----	.000	----	----	----	----
----	.00	279	136	0	----	458	7.6	----	4.00	----	.300	----	----	----	----	----	----
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	.17	433	200	11	191	681	7.6	----	----	----	----	----	----	----	----	.020	.0008
----	.11	----	----	----	----	----	5.00	----	----	----	.200	.020	----	----	----	----	----
----	.09	418	210	31	174	640	7.5	----	1.10	----	----	----	.007	----	----	----	----
----	.49	650	260	33	230	999	7.7	----	----	----	----	----	----	----	----	.000	.0009
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	.14	----	----	----	----	----	5.00	----	----	----	.300	.020	----	----	----	----	----
----	.43	666	230	4	224	1030	7.9	----	2.30	----	----	----	.006	----	----	----	----
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	.14	391	180	0	187	617	7.6	----	----	----	----	----	----	----	----	.000	.0003
----	.12	----	----	----	----	----	2.00	----	----	----	.300	.020	----	----	----	----	----
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	.16	382	170	0	176	609	8.0	----	.800	----	----	----	.006	----	----	----	----
----	.28	457	220	28	193	771	7.8	----	----	----	----	----	----	----	----	.000	.0002
----	.12	----	----	----	----	----	6.00	----	----	----	.300	.040	----	----	----	----	----
----	.24	504	240	57	185	805	7.8	----	1.70	----	----	----	.003	----	----	----	----
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	.09	----	----	----	----	----	3.00	----	----	----	.400	.020	----	----	----	----	----
----	.13	459	220	21	197	713	7.9	----	1.30	----	----	----	.001	----	----	----	----
----	----	----	----	----	----	----	----	----	1.90	----	----	----	.000	----	----	----	----
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	.05	----	----	----	----	----	----	----	----	----	----	.380	----	----	----	----	----
----	.36	719	390	110	287	1190	8.1	----	----	----	----	----	----	----	----	----	----
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	.22	496	210	26	185	682	7.9	----	----	----	----	----	----	----	----	----	----
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	.85	757	110	0	212	1230	7.8	----	----	----	----	----	----	----	----	.000	.0003
----	.18	----	----	----	----	----	9.00	----	----	----	.400	.070	----	----	----	----	----
----	.67	726	120	0	208	1140	7.9	----	3.40	----	----	----	.000	----	----	----	----
----	.07	----	----	----	----	----	6.00	----	----	----	.400	.110	----	----	----	----	----
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	.24	500	250	48	204	804	7.9	----	1.80	----	----	----	.003	----	----	----	----
----	1.20	1510	580	360	230	2400	7.7	----	----	----	----	----	----	----	----	.010	.0002
----	.10	----	----	----	----	----	7.00	----	----	----	.200	.080	----	----	----	----	----
----	1.10	1520	620	390	233	2410	7.7	----	----	----	----	----	.000	----	----	----	----



WELL NUMBER	DATE	DEPTH (FT)	TEMP (C)	SI02	TOTAL FE	CA	MG	NA	K	HC03	CO3	SO4	CL	F	N02+ N03	NH4
09N/01W-11001	S 03-28-72	53	19.2	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-11002	S 03-09-72	105	----	----	----	----	----	----	----	----	----	----	----	----	----	.080
09N/01W-11002	S 03-17-72	105	19.0	27.0	.01	67.0	12.0	64.0	2.9	244	0	88.0	54.0	.6	.70	----
09N/01W-11002	S 03-28-72	105	18.8	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-11001	S 10-07-71	52	20.0	27.0	.02	120.	24.0	200.	3.7	283	0	230.	250.	1.0	2.70	----
09N/01W-11001	S 03-09-72	52	----	----	----	----	----	----	----	----	----	----	----	----	----	.060
09N/01W-11001	S 03-21-72	52	19.5	28.0	.01	140.	27.0	220.	4.2	271	0	280.	310.	.4	3.20	----
09N/01W-11001	S 03-28-72	52	19.4	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-11002	S 03-09-72	102	----	----	----	----	----	----	----	----	----	----	----	----	----	.080
09N/01W-11002	S 03-21-72	102	19.5	26.0	.01	53.0	9.6	64.0	2.5	220	0	77.0	46.0	.4	.60	----
09N/01W-11002	S 03-28-72	102	19.0	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-11203	S 10-26-19	100	----	29.0	.08	37.0	6.8	50.0	----	187	0	41.0	23.0	----	1.00	----
09N/01W-12001	S 10-07-71	92	17.5	24.0	.01	76.0	13.0	140.	3.6	291	0	180.	92.0	.5	1.10	----
09N/01W-12001	S 03-10-72	92	----	----	----	----	----	----	----	----	----	----	----	----	----	.060
09N/01W-12001	S 03-21-72	92	18.0	25.0	.01	58.0	9.5	140.	3.0	261	0	150.	72.0	.4	.90	----
09N/01W-12001	S 03-28-72	92	17.6	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-12003	S 03-10-72	136	----	----	----	----	----	----	----	----	----	----	----	----	----	.060
09N/01W-12003	S 03-21-72	136	18.0	26.0	----	91.0	17.0	91.0	3.4	266	0	190.	69.0	.3	.50	----
09N/01W-12003	S 03-28-72	136	16.9	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-13E01	S 03-04-54	348	----	47.0	.60	----	----	----	----	----	0	32.0	50.0	1.6	----	----
09N/01W-13E01	S 05-17-54	348	----	38.0	----	----	----	----	----	----	----	96.0	70.0	1.5	----	----
09N/01W-13E01	S 09-08-55	348	----	29.0	.50	----	----	----	----	----	----	150.	104.	1.8	----	----
09N/01W-13E01	S 04-18-56	348	----	----	----	55.0	10.0	133.	2.1	201	0	154.	96.0	1.3	6.90	----
09N/01W-13E01	S 05-10-56	348	----	21.0	----	92.0	16.0	99.0	----	229	0	154.	107.	----	----	----
09N/01W-13E01	S 05-21-57	348	----	40.0	.30	----	----	----	----	----	----	69.0	102.	.9	----	----
09N/01W-13E01	S - -58	348	----	----	----	22.0	11.0	68.0	3.0	191	7	11.0	55.0	.6	.00	----
09N/01W-13E01	S 03-05-58	348	----	31.0	.40	----	----	----	----	----	----	104.	110.	1.2	----	----
09N/01W-13E01	S 04-15-59	348	----	33.0	----	----	----	----	----	----	----	150.	108.	1.2	----	----
09N/01W-13E01	S 11-15-60	348	----	33.0	----	----	----	146.	3.5	----	----	162.	118.	1.2	----	----
09N/01W-13E01	S 01-03-62	348	----	----	----	75.0	11.0	138.	2.9	271	0	178.	89.0	.7	1.30	----
09N/01W-13E01	S 12-06-62	348	----	21.0	1.10	68.0	22.0	136.	3.3	231	0	221.	126.	1.0	6.60	----
09N/01W-13E01	S 04-16-64	348	----	26.0	3.20	90.0	19.0	128.	3.8	215	0	205.	188.	1.0	12.0	----
09N/01W-13E01	S 11-06-64	348	----	26.0	.00	85.0	22.0	146.	4.6	229	0	210.	243.	1.0	5.80	----
09N/01W-13E01	S 06-10-65	348	----	----	----	53.0	11.0	82.0	2.7	210	0	91.0	57.0	.5	5.80	----
09N/01W-13E01	S 04-18-66	348	----	26.0	.00	82.0	18.0	167.	3.7	229	0	140.	156.	----	17.0	----
09N/01W-13E01	S 09-28-66	348	----	26.0	.10	76.0	13.0	160.	2.8	239	0	190.	136.	.9	15.0	----
09N/01W-13E01	S 03-22-67	348	----	24.0	.00	74.0	12.0	146.	3.2	237	0	130.	144.	1.0	16.0	----
09N/01W-13E01	S 03-27-68	348	----	23.0	.00	66.0	10.0	110.	2.6	244	0	119.	90.0	.9	1.30	----
09N/01W-13E01	S 01-08-69	348	----	24.0	.00	61.0	11.0	130.	2.7	215	0	150.	118.	.8	8.00	----
09N/01W-13E01	S 10-16-69	348	----	27.0	.00	89.0	17.0	157.	2.9	256	0	210.	144.	1.0	14.0	----
09N/01W-13E01	S 07-31-70	348	----	28.0	.00	69.0	18.0	165.	3.4	129	0	135.	176.	.9	17.0	----
09N/01W-13E01	S 08-17-71	348	----	26.0	.00	114.	20.0	148.	3.2	188	0	278.	170.	.6	9.30	----
09N/01W-13E01	S 03-08-72	348	----	----	----	----	----	----	----	----	----	----	----	----	----	.060
09N/01W-13E01	S 03-14-72	348	20.0	31.0	.02	100.	21.0	170.	3.7	286	0	240.	180.	.8	3.00	----
09N/01W-13E01	S 03-30-72	348	20.8	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-13E02	S 12-06-62	440	----	26.0	----	59.0	14.0	124.	3.5	181	0	156.	117.	1.2	6.60	----
09N/01W-13E02	S 04-16-64	440	----	30.0	----	61.0	19.0	111.	2.9	200	0	160.	124.	1.1	----	----
09N/01W-13E02	S 11-06-64	440	----	28.0	.00	56.0	12.0	122.	5.1	205	0	140.	100.	1.2	7.50	----
09N/01W-13E02	S 04-19-66	440	----	26.0	.00	64.0	14.0	133.	3.8	207	0	135.	126.	1.2	10.0	----
09N/01W-13E02	S 09-28-66	440	----	29.0	.10	56.0	9.8	142.	3.5	206	0	145.	104.	.9	15.0	----
09N/01W-13E02	S 03-22-67	440	----	26.0	.00	58.0	14.0	124.	3.3	224	0	110.	112.	1.0	13.0	----
09N/01W-13E02	S 03-27-68	440	----	25.0	.00	49.0	13.0	104.	11.0	176	0	128.	106.	.9	2.20	----
09N/01W-13E02	S 10-16-69	440	----	28.0	.20	80.0	15.0	155.	3.2	210	0	200.	146.	1.0	14.0	----
09N/01W-13E02	S 07-31-70	440	----	29.0	.00	66.0	13.0	122.	3.4	117	0	190.	132.	1.0	16.0	----
09N/01W-13E02	S 08-17-71	440	----	29.0	.00	54.0	11.0	118.	3.4	189	0	130.	102.	.8	12.0	----
09N/01W-13E02	S 03-08-72	440	----	----	----	----	----	----	----	----	----	----	----	----	----	.060
09N/01W-13E02	S 03-15-72	440	21.0	32.0	.02	70.0	12.0	160.	3.6	222	0	150.	150.	.9	3.00	----
09N/01W-13H01	S 09-20-51	90	----	20.0	.10	----	----	----	----	----	----	95.0	50.0	----	----	----
09N/01W-13H01	S 05-19-55	90	23.0	15.0	.00	70.0	13.0	80.0	2.8	213	0	112.	85.0	.5	4.30	----
09N/01W-13H01	S 09-14-55	90	----	25.0	.00	74.0	15.0	84.0	2.8	217	0	119.	94.0	.6	2.80	----
09N/01W-13H01	S 12-05-57	90	----	----	----	73.0	13.0	86.0	2.4	215	0	122.	83.0	.6	3.00	----
09N/01W-13H01	S 03- -58	90	----	26.0	.00	----	----	----	----	----	----	79.0	86.0	.1	----	----
09N/01W-13H01	S 04-15-58	90	----	24.0	----	54.0	7.0	66.0	1.9	198	0	83.0	46.0	.7	6.80	----
09N/01W-13H01	S 05-01-58	90	----	21.0	----	71.0	15.0	79.0	2.4	245	0	103.	75.0	.4	9.00	----
09N/01W-13H01	S 06- -58	90	----	19.0	.00	----	----	----	----	----	----	62.0	70.0	.2	----	----
09N/01W-13H01	S 08- -58	90	----	25.0	.00	----	----	----	----	----	----	85.0	76.0	----	----	----
09N/01W-13H01	S 10-15-58	90	----	22.0	----	36.0	12.0	78.0	2.8	128	0	102.	62.0	.4	4.80	----
09N/01W-13H01	S 12-04-58	90	----	17.0	.35	----	----	----	----	----	----	100.	64.0	.6	----	----
09N/01W-13H01	S 03-24-59	90	----	25.0	----	64.0	10.0	85.0	2.8	209	0	104.	70.0	.2	2.00	----
09N/01W-13H01	S 04-09-59	90	----	----	.00	58.0	15.0	80.0	2.2	220	0	108.	67.0	1.5	4.00	.000



P04	B	DS	HARD. CARB.	HARD. N.C.	ALK. CAC03	COND	PH	COD	DOC	PHENOLS	OIL & GREASE	MBAS	AS	TOTAL CR	CR+6	CU	TOTAL HG
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
.07	---	---	---	---	---	---	---	6.00	---	---	.400	.020	---	---	---	---	---
---	.21	439	220	17	200	702	7.8	---	1.10	---	---	---	.000	---	---	---	---
---	.86	1010	400	170	232	1620	7.8	---	---	---	---	---	---	---	---	.010	.0002
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
.11	---	---	---	---	---	---	---	6.00	---	---	.200	.030	---	---	---	---	---
---	.80	1160	460	240	222	1840	7.8	---	1.80	---	---	---	.000	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
.09	---	---	---	---	---	---	---	2.00	---	---	.200	.010	---	---	---	---	---
---	.13	389	170	0	180	616	8.1	---	.700	---	---	---	.000	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	---	283	120	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	.81	678	240	5	239	1070	7.6	---	---	---	---	---	---	---	---	.000	.0008
.11	---	---	---	---	---	---	---	3.00	---	---	.300	.020	---	---	---	---	---
---	.61	591	180	0	214	897	8.2	---	.900	---	---	---	.002	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
.10	---	---	---	---	---	---	---	6.00	---	---	.200	.000	---	---	---	---	---
---	.17	621	300	79	218	962	7.8	---	.900	---	---	---	.000	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	---	430	92	---	---	---	7.9	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	---	540	124	---	---	---	7.7	---	---	---	---	---	---	---	---	---	---
---	---	580	174	---	---	---	7.9	---	---	---	---	---	---	---	---	---	---
.20	.70	582	128	---	---	933	7.5	---	---	---	---	---	---	---	---	---	---
---	---	584	297	---	---	1050	7.4	---	---	---	---	---	---	---	---	---	---
---	.60	530	182	---	---	---	8.2	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	.62	276	99	0	168	516	8.4	---	---	---	---	---	---	---	---	---	---
---	---	700	208	---	---	---	7.9	---	---	---	---	---	---	---	---	---	---
.30	.20	710	222	---	---	1020	7.8	---	---	---	---	---	---	---	---	---	---
.10	.60	755	220	---	---	1080	7.7	---	---	---	---	.200	---	---	---	---	---
---	.85	616	232	10	222	1020	7.8	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	.50	890	280	---	---	1270	7.4	---	---	---	---	---	---	---	---	---	---
---	.48	903	300	---	---	1290	7.2	---	---	---	---	---	---	---	---	---	---
---	.40	740	290	---	---	1060	7.3	---	---	---	---	---	---	---	---	---	---
---	.47	429	175	3	172	700	8.1	---	---	---	---	---	---	---	---	---	---
---	.50	788	276	---	---	---	7.7	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	.85	708	244	---	---	---	7.5	---	---	---	---	---	---	---	---	---	---
---	.30	720	232	---	---	---	7.6	---	---	---	---	---	---	---	---	---	---
---	.20	520	204	---	---	---	8.2	---	---	---	---	---	---	---	---	---	---
---	.90	572	196	---	---	---	8.0	---	---	---	---	---	---	---	---	---	---
---	1.00	868	292	---	---	---	7.5	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	.52	792	248	---	---	---	7.3	---	---	---	---	---	---	---	---	---	---
.05	.28	955	364	---	---	1360	6.8	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	1.00	---	---	.200	.020	---	---	---	---	---
---	.78	901	340	100	235	1430	7.6	---	1.00	---	---	---	.000	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	.40	630	204	---	---	900	7.6	---	---	---	---	.150	---	---	---	.000	---
---	.48	784	204	---	---	1120	7.4	---	---	---	---	.080	---	---	---	---	---
---	.38	640	188	---	---	918	7.5	---	---	---	---	.030	---	---	---	---	---
---	.40	624	216	---	---	---	7.8	---	---	---	---	.030	---	---	---	---	---
---	.28	572	180	---	---	---	7.6	---	---	---	---	.130	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	.40	604	200	---	---	---	7.6	---	---	---	---	.120	---	---	---	---	---
---	.60	568	176	---	---	---	8.3	---	---	---	---	.040	---	---	---	---	---
---	.81	844	260	---	---	---	7.6	---	---	---	---	.040	---	---	---	---	---
---	.95	676	216	---	---	---	7.8	---	---	---	---	.000	---	---	---	---	---
.00	.41	645	180	---	---	922	7.0	---	---	---	---	.020	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
.00	---	---	---	---	---	---	---	4.00	---	---	.100	.020	---	---	---	---	---
---	.69	702	220	42	182	1120	7.8	---	1.00	---	---	---	.004	---	---	---	---
---	---	360	222	---	---	---	7.8	---	---	---	---	---	---	---	---	---	---
---	.30	488	---	---	---	806	8.0	---	---	---	---	---	---	---	---	---	---
---	.16	537	---	---	---	778	7.7	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	.40	530	237	---	---	876	7.4	---	---	---	---	---	---	---	---	---	---
---	---	580	212	---	---	---	7.6	---	---	---	---	---	---	---	---	---	---
---	.31	372	165	---	---	606	7.2	---	---	---	---	---	---	---	---	---	---
---	.68	507	235	---	---	786	7.5	---	---	---	---	---	---	---	---	---	---
2.70	---	495	206	---	---	---	7.5	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
.10	---	---	---	---	---	---	8.2	---	---	---	---	---	---	---	---	---	---
---	.27	392	138	---	---	640	8.3	---	---	---	---	---	---	---	---	---	---
---	.50	515	188	---	---	737	7.5	---	---	---	---	---	---	---	---	---	---
---	.35	541	200	---	---	765	7.4	---	---	---	---	---	---	---	---	---	---
---	.55	488	205	---	180	---	7.5	---	---	---	---	.100	---	.000	.000	---	---



WELL NUMBER	DATE	DEPTH (FT)	TEMP (C)	SI02	TOTAL FE	CA	MG	NA	K	HC03	CO3	SO4	CL	F	NO2+ NO3	NH4
09N/01W-13H01	S 04-15-59	90	----	17.0	.00	----	----	----	----	----	----	95.0	74.0	.6	-----	----
09N/01W-13H01	S 05-07-59	90	----	----	.00	65.0	9.4	88.0	2.6	220	0	103.	66.0	.7	3.40	----
09N/01W-13H01	S 05-26-59	90	----	----	----	64.0	13.0	85.0	2.2	220	0	104.	71.0	.8	4.90	----
09N/01W-13H01	S 07-05-59	90	----	24.0	.00	----	----	----	----	----	----	72.0	66.0	----	----	----
09N/01W-13H01	S 07-09-59	90	20.0	20.0	----	62.0	12.0	86.0	2.8	222	0	106.	67.0	.6	.00	----
09N/01W-13H01	S 11-02-59	90	----	22.0	.10	69.0	12.0	89.0	2.4	----	0	104.	73.0	.3	2.00	----
09N/01W-13H01	S 11-09-59	90	----	22.0	.00	----	----	----	----	----	----	100.	92.0	.6	-----	----
09N/01W-13H01	S 02-09-60	90	----	27.0	.20	----	----	95.0	----	----	----	132.	74.0	.6	-----	----
09N/01W-13H01	S 02-10-60	90	----	27.0	.20	----	----	----	----	----	----	132.	72.0	.5	-----	----
09N/01W-13H01	S 03-23-60	90	----	----	.00	64.0	12.0	88.0	2.4	185	0	109.	75.0	.6	.90	----
09N/01W-13H01	S 03-30-60	90	21.0	21.0	----	68.0	10.0	90.0	2.6	229	0	108.	72.0	.8	3.50	----
09N/01W-13H01	S 05-06-60	90	----	26.0	----	----	----	100.	----	----	----	65.0	86.0	.6	-----	----
09N/01W-13H01	S 08-17-60	90	----	23.0	.10	----	----	91.0	----	----	----	140.	86.0	.6	-----	----
09N/01W-13H01	S 02-09-61	90	----	25.0	.26	----	----	107.	----	----	----	97.0	90.0	----	----	----
09N/01W-13H01	S 01-03-62	90	----	----	----	64.0	9.0	99.0	2.6	225	0	111.	78.0	.7	4.10	----
09N/01W-13H01	S 01-26-62	90	----	19.0	.40	----	----	102.	3.7	----	----	130.	104.	.5	-----	----
09N/01W-13H01	S 05-02-62	90	----	23.0	.05	----	----	97.0	----	----	----	95.0	78.0	.6	-----	----
09N/01W-13H01	S 08-09-62	90	----	25.0	.10	58.0	18.0	96.0	2.0	205	0	126.	84.0	.4	4.90	----
09N/01W-13H01	S 06-29-64	90	----	25.0	----	61.0	12.0	98.0	3.0	232	0	118.	78.0	.8	3.00	----
09N/01W-13H01	S 01-22-65	90	----	----	----	60.0	12.0	103.	2.7	207	0	118.	84.0	.8	5.00	----
09N/01W-13H01	S 06-10-65	90	----	----	----	63.0	11.0	103.	2.8	227	0	116.	81.0	.8	5.00	----
09N/01W-13H01	S 07-14-66	90	----	----	----	67.0	12.0	110.	3.2	231	0	123.	96.0	.7	5.60	----
09N/01W-13H01	S 12-28-66	90	----	----	----	71.0	13.0	113.	2.9	226	0	132.	101.	.7	6.00	----
09N/01W-13H01	S 08-30-67	90	----	----	----	81.0	12.0	118.	3.1	232	0	140.	122.	.7	6.30	----
09N/01W-13H01	S 01- -70	90	----	24.0	----	54.0	13.0	130.	2.5	224	0	145.	92.0	.8	18.0	----
09N/01W-13H01	S 04- -70	90	----	25.0	.00	70.0	15.0	110.	2.8	254	0	140.	84.0	.9	12.0	----
09N/01W-13H01	S 05- -70	90	----	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-13H01	S 05-28-70	90	----	23.0	.00	71.0	17.0	106.	2.7	244	0	145.	84.0	.8	9.90	----
09N/01W-13H01	S 03-01-72	90	----	----	----	----	----	----	----	----	----	----	----	----	-----	.020
09N/01W-13H01	S 03-15-72	90	20.0	29.0	.02	85.0	15.0	130.	4.0	289	0	155.	120.	.7	2.50	----
09N/01W-13H02	S 07-09-59	108	19.0	20.0	----	53.0	11.0	78.0	2.4	203	0	95.0	60.0	.6	1.50	----
09N/01W-13H02	S 11-02-59	108	18.0	20.0	.10	53.0	12.0	82.0	2.2	200	0	94.0	70.0	.5	.00	----
09N/01W-13H02	S 03-30-60	108	18.0	21.0	----	62.0	10.0	91.0	2.4	207	0	112.	72.0	.7	1.00	----
09N/01W-13H02	S 08-25-60	108	20.0	----	----	----	----	----	----	214	0	----	74.0	.4	1.80	----
09N/01W-13H02	S 12-16-60	108	19.0	20.0	----	69.0	10.0	100.	3.5	231	0	144.	72.0	.6	.90	----
09N/01W-13H02	S 08-09-61	108	20.0	----	----	----	----	----	----	220	0	----	78.0	.7	2.50	----
09N/01W-13H02	S 12-20-61	108	19.0	25.0	----	71.0	13.0	124.	2.8	239	0	151.	96.0	----	----	----
09N/01W-13H02	S 04-09-62	108	19.0	26.0	----	58.0	12.0	95.0	2.5	218	0	121.	77.0	----	----	----
09N/01W-13H02	S 07-16-63	108	17.0	22.0	----	51.0	14.0	91.0	2.5	212	0	108.	64.0	.7	2.40	----
09N/01W-13H02	S 03-23-64	108	18.0	20.0	----	58.0	10.0	97.0	2.4	221	0	110.	71.0	.4	1.30	----
09N/01W-13H02	S 11-25-70	108	----	----	----	60.0	9.4	91.0	3.0	224	0	91.0	77.0	.5	3.90	----
09N/01W-13H02	S 04-16-71	108	----	----	----	59.0	12.0	84.0	3.0	215	0	84.0	81.0	.5	3.40	----
09N/01W-13H02	S 03-07-72	108	----	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-13H02	S 03-14-72	108	15.	30.0	.03	63.0	11.0	80.0	3.2	230	0	83.0	77.0	.4	1.10	----
09N/01W-14A01	S 03-10-52	420	----	24.0	.10	35.0	8.0	89.0	----	207	0	76.0	46.0	1.2	-----	----
09N/01W-14A01	S 04-18-56	420	----	----	----	42.0	7.0	91.0	1.7	198	0	100.	48.0	1.2	4.60	----
09N/01W-14A02	S 05-21-57	407	----	31.0	----	----	----	----	----	----	----	60.0	82.0	.8	-----	----
09N/01W-14A02	S 04-15-59	407	----	33.0	----	----	----	----	----	----	----	120.	72.0	1.2	-----	----
09N/01W-14A02	S 07-09-59	407	21.0	30.0	----	66.0	12.0	123.	2.6	215	0	159.	95.0	1.0	6.00	----
09N/01W-14A02	S 05-04-60	407	----	30.0	.10	----	----	95.0	----	----	----	124.	64.0	1.2	-----	----
09N/01W-14A02	S 11-15-60	407	21.0	24.0	----	----	----	134.	3.6	----	----	176.	106.	1.0	-----	----
09N/01W-14A02	S 12-06-62	407	----	26.0	.40	59.0	16.0	120.	1.7	198	0	174.	88.0	1.3	5.80	----
09N/01W-14A02	S 04-16-64	407	----	----	.01	75.0	16.0	114.	2.9	224	0	190.	108.	1.1	12.0	----
09N/01W-14A02	S 11-06-64	407	----	26.0	.00	62.0	12.0	138.	3.6	229	0	160.	94.0	1.2	3.10	----
09N/01W-14A02	S 04-18-66	407	----	24.0	.00	76.0	15.0	151.	3.1	242	0	180.	108.	1.4	14.0	----
09N/01W-14A02	S 05-05-66	407	----	----	.00	72.0	16.0	126.	3.1	231	0	181.	106.	1.0	5.50	----
09N/01W-14A02	S 09-28-66	407	----	26.0	.00	75.0	15.0	148.	2.8	249	0	195.	110.	1.0	13.0	----
09N/01W-14A02	S 03-22-67	407	----	24.0	.00	53.0	9.8	120.	3.0	220	0	125.	92.0	1.1	10.0	----
09N/01W-14A02	S 03-27-68	407	----	26.0	.00	80.0	16.0	142.	3.3	137	0	169.	124.	.9	5.80	----
09N/01W-14A02	S 03-20-69	407	----	28.0	.00	72.0	14.0	118.	2.6	151	0	210.	84.0	1.0	1.80	----
09N/01W-14A02	S 07-15-69	407	----	28.0	.00	73.0	18.0	116.	2.7	256	0	165.	98.0	.8	2.20	----
09N/01W-14A02	S 09-30-69	407	----	28.0	.00	74.0	15.0	112.	2.5	254	0	170.	88.0	1.0	.00	----
09N/01W-14A02	S 10-16-69	407	----	29.0	.10	71.0	15.0	108.	2.4	251	0	150.	80.0	1.0	4.40	----
09N/01W-14A02	S 07-31-70	407	----	28.0	.00	77.0	17.0	132.	3.1	134	0	240.	131.	.9	12.0	----
09N/01W-14A02	S 08-17-71	407	----	28.0	.00	94.0	16.0	138.	2.9	229	0	220.	132.	.8	6.60	----
09N/01W-14A02	S 03-08-72	407	----	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/01W-14A02	S 03-15-72	407	23.7	31.0	.02	88.0	17.0	150.	3.4	260	0	220.	140.	.9	2.20	----
09N/01W-14B01	S 09- -63	171	----	----	----	----	----	----	----	----	----	58.0	35.0	----	----	----
09N/01W-14B01	S 06-20-47	171	----	----	----	----	----	----	----	----	----	80.0	38.0	----	----	----
09N/01W-14B01	S 10-28-48	171	----	30.0	.10	----	----	----	----	----	----	72.0	46.0	----	----	----



P04	R	DS	HARD. CARB.	HARD. N.C.	ALK. CACO3	COND	PH	COD	DOC	PHENOLS	OIL & GREASE	MBAS	AS	TOTAL CR	CR+6	CU	TOTAL HG
.20	.20	485	182	----	----	630	8.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	485	200	-----	-----	-----	7.6	-----	-----	.000	.000	-----	-----	.000	.000	-----	-----
-----	.30	465	211	31	180	766	7.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.30	545	204	-----	-----	780	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.00	.34	500	204	-----	-----	767	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.50	460	226	-----	-----	-----	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.30	450	212	-----	-----	645	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.30	.30	690	212	-----	-----	-----	8.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.30	.30	590	212	-----	-----	840	8.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	513	210	-----	185	-----	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.12	.34	490	212	-----	-----	805	7.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.10	1.10	600	200	-----	-----	-----	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.40	.40	580	202	-----	-----	830	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.20	.40	625	200	-----	-----	-----	8.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	474	198	14	-----	807	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.20	.40	620	182	-----	-----	883	8.2	-----	-----	.000	-----	.050	-----	-----	-----	-----	-----
-----	.50	590	200	-----	-----	913	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.30	570	216	-----	-----	815	7.5	-----	-----	.031	-----	.060	-----	-----	-----	-----	-----
.08	.40	530	202	12	-----	806	7.5	-----	-----	-----	-----	.040	-----	-----	-----	-----	-----
-----	-----	517	197	10	-----	844	8.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	522	203	17	-----	847	8.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	561	217	28	-----	891	8.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	564	231	46	-----	938	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	621	250	59	-----	988	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.30	.04	524	188	-----	-----	-----	8.3	-----	-----	-----	-----	.090	-----	-----	-----	.100	-----
-----	.22	528	234	-----	-----	-----	7.6	-----	-----	-----	-----	.020	-----	-----	-----	.100	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	.000	-----	-----	-----	-----	-----
.70	.26	508	236	-----	-----	-----	7.6	-----	-----	-----	-----	-----	-----	-----	-----	.000	-----
.05	-----	-----	-----	-----	-----	-----	-----	8.80	-----	-----	.700	.010	-----	-----	-----	-----	-----
-----	.51	693	270	37	237	1090	7.6	-----	.800	-----	-----	.004	-----	-----	-----	-----	-----
2.00	.32	440	178	-----	-----	691	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.50	410	186	15	-----	725	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.40	.36	470	196	-----	-----	782	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.50	-----	215	-----	-----	800	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.66	618	215	26	-----	885	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.72	-----	207	27	-----	842	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	615	232	36	-----	954	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	474	195	17	-----	785	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.38	494	183	9	-----	758	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.42	460	182	1	-----	650	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.31	443	189	6	183	739	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.33	489	197	17	180	779	8.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.01	-----	-----	-----	-----	-----	-----	-----	-----	.800	-----	-----	-----	.020	-----	-----	-----	-----
-----	.35	466	200	14	189	762	7.8	-----	.800	-----	-----	-----	.020	-----	-----	-----	-----
-----	.50	-----	122	-----	-----	-----	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.47	402	133	-----	-----	672	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	480	180	-----	-----	-----	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.30	.40	560	170	-----	-----	798	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.66	600	212	-----	-----	938	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.10	.61	535	138	-----	-----	765	8.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.10	.60	735	244	-----	-----	1050	8.0	-----	-----	-----	-----	.200	-----	-----	-----	-----	-----
-----	.80	680	212	-----	-----	970	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.80	735	252	-----	-----	1050	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.30	510	204	-----	-----	810	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.58	700	252	-----	-----	-----	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	710	245	-----	-----	1090	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.30	676	248	-----	-----	-----	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.30	592	172	-----	-----	-----	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.60	760	264	-----	-----	-----	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.45	560	236	-----	-----	-----	8.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.28	672	256	-----	-----	-----	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.42	628	244	-----	-----	-----	7.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.40	.00	672	240	-----	-----	-----	8.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.92	728	260	-----	-----	-----	7.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.05	.49	860	304	-----	-----	1230	---	-----	-----	-----	-----	.050	-----	-----	-----	-----	-----
.02	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	.400	.030	-----	-----	-----	-----	-----
-----	.91	789	290	76	213	1280	7.5	-----	.600	-----	-----	-----	.001	-----	-----	-----	-----
-----	-----	-----	68	-----	-----	-----	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	290	112	-----	-----	-----	8.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	310	130	0	-----	-----	8.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



WELL NUMBER	DATE	DEPTH (FT)	TEMP (C)	SI02	TOTAL FE	CA	MG	NA	K	HC03	CO3	SO4	CL	F	NO2+ NO3	NH4
09N/01W-14801	S 06-01-49	171	----	30.0	.30	----	----	----	----	----	----	66.0	46.0	----	----	----
09N/01W-14801	S 08-08-49	171	----	20.0	.00	----	----	----	----	----	----	82.0	58.0	----	----	----
09N/01W-14801	S 09-21-51	171	----	25.0	.05	----	----	----	----	----	----	95.0	44.0	----	----	----
09N/01W-14801	S 03-10-52	171	----	24.0	.10	46.0	10.0	79.0	----	202	0	80.0	50.0	1.0	----	----
09N/01W-14801	S 05-17-54	171	----	38.0	----	----	----	----	----	----	----	87.0	45.0	1.2	----	----
09N/01W-14801	S 09-08-55	171	----	28.0	.00	----	----	----	----	----	----	104.	52.0	----	----	----
09N/01W-14801	S 04-18-56	171	----	----	----	40.0	6.0	117.	1.4	201	0	114.	51.0	1.3	4.50	----
09N/01W-14801	S 05-21-57	171	----	35.0	.20	----	----	----	----	----	----	108.	60.0	.9	----	----
09N/01W-14801	S 03-05-58	171	----	34.0	.80	----	----	----	----	----	----	77.0	94.0	1.0	----	----
09N/01W-14801	S 04-15-59	171	----	31.0	.06	----	----	----	----	----	----	70.0	46.0	1.2	----	----
09N/01W-14801	S 05-04-60	171	----	27.0	.10	----	----	81.0	----	----	----	110.	60.0	1.2	----	----
09N/01W-14801	S 11-15-60	171	20.0	21.0	----	----	----	90.0	2.7	----	----	113.	60.0	.8	----	----
09N/01W-14801	S 12-06-62	171	----	24.0	.20	62.0	15.0	102.	2.9	202	?	160.	81.0	1.1	2.90	----
09N/01W-14801	S 04-16-64	171	----	24.0	.50	59.0	----	72.0	2.0	215	0	93.0	60.0	1.0	.30	----
09N/01W-14801	S 11-06-64	171	----	25.0	.00	69.0	12.0	112.	3.5	229	0	165.	81.0	1.0	1.80	----
09N/01W-14801	S 04-19-66	171	----	23.0	.00	70.0	12.0	123.	2.8	229	0	140.	84.0	1.2	8.60	----
09N/01W-14801	S 09-28-66	171	----	25.0	.00	70.0	13.0	142.	2.5	249	0	160.	88.0	.9	8.90	----
09N/01W-14801	S 03-22-67	171	----	22.0	.00	57.0	12.0	94.0	2.6	234	0	88.0	72.0	1.0	6.10	----
09N/01W-14801	S 03-27-68	171	----	26.0	.00	67.0	12.0	95.0	2.6	163	0	124.	88.0	.9	4.40	----
09N/01W-14801	S 08-17-71	171	----	28.0	.00	94.0	16.0	138.	2.9	229	0	220.	132.	.8	6.60	----
09N/01W-14802	S 03-10-52	230	----	24.0	.10	31.0	12.0	82.0	----	209	0	73.0	40.0	1.0	----	----
09N/01W-14802	S 04-18-56	230	----	----	----	37.0	6.0	89.0	1.7	208	0	84.0	39.0	1.2	2.50	----
09N/01W-14802	S 05-21-57	230	----	38.0	----	----	----	----	----	----	----	82.0	45.0	1.0	----	----
09N/01W-14802	S 03-05-58	230	----	16.0	.35	----	----	----	----	----	----	58.0	94.0	1.0	----	----
09N/01W-14802	S 05-04-60	230	----	28.0	.10	----	----	132.	----	----	----	170.	128.	1.0	----	----
09N/01W-14802	S 12-06-62	230	----	16.0	.16	45.0	12.0	92.0	2.4	180	0	130.	55.0	1.1	1.20	----
09N/01W-14802	S 04-16-64	230	----	25.0	.24	58.0	13.0	85.0	2.3	200	0	140.	92.0	1.1	1.90	----
09N/01W-14802	S 11-06-64	230	----	22.0	.00	59.0	13.0	108.	3.1	210	0	150.	74.0	1.3	1.80	----
09N/01W-14802	S 04-26-66	230	----	24.0	.00	72.0	11.0	126.	3.2	212	0	160.	86.0	1.4	9.80	----
09N/01W-14802	S 05-05-66	230	----	----	.00	68.0	11.0	128.	4.0	206	0	162.	82.0	1.0	1.80	----
09N/01W-14802	S 09-28-66	230	----	25.0	.10	69.0	12.0	118.	2.4	212	0	175.	84.0	.9	9.50	----
09N/01W-14802	S 03-22-67	230	----	23.0	.20	65.0	14.0	106.	2.6	201	0	120.	90.0	1.0	10.0	----
09N/01W-14802	S 03-27-68	230	----	21.0	.00	50.0	9.3	92.0	2.4	183	0	119.	68.0	1.0	.90	----
09N/01W-14802	S 06-19-68	230	----	21.0	.00	----	----	116.	2.6	----	----	195.	98.0	1.3	----	----
09N/01W-14802	S 01-08-69	230	----	23.0	.00	73.0	17.0	118.	2.6	210	0	195.	98.0	.8	4.40	----
09N/01W-14802	S 03-20-69	230	----	25.0	.00	69.0	9.8	114.	2.7	132	19	225.	80.0	1.0	4.00	----
09N/01W-14802	S 10-16-69	230	----	25.0	.10	80.0	13.0	125.	2.6	233	0	190.	98.0	.9	5.30	----
09N/01W-14803	S 06-26-69	312	22.0	26.0	.01	68.0	13.0	101.	2.4	257	0	112.	75.0	.9	.30	----
09N/01W-14803	S 06-26-69	312	22.0	26.0	.01	66.0	13.0	105.	2.9	257	0	109.	75.0	1.0	.00	----
09N/01W-14803	S 10-16-69	312	----	28.0	.10	65.0	8.0	94.0	2.3	244	0	105.	72.0	.9	1.80	----
09N/01W-14803	S 01- -70	312	----	24.0	.00	73.0	12.0	122.	1.0	273	0	145.	81.0	.9	5.50	----
09N/01W-14803	S 04- -70	312	----	28.0	.25	78.0	17.0	106.	2.7	273	0	150.	86.0	1.0	4.00	----
09N/01W-14803	S 05-28-70	312	----	24.0	.20	88.0	14.0	122.	2.8	268	0	160.	118.	.9	5.50	----
09N/01W-14803	S 07-31-70	312	----	28.0	.00	74.0	15.0	104.	2.9	119	0	205.	114.	.9	4.90	----
09N/01W-14803	S 08-17-71	312	----	28.0	.00	42.0	18.0	120.	3.9	144	0	170.	110.	.7	4.00	----
09N/01W-14803	S 03-08-72	312	----	----	----	----	----	----	----	----	----	----	----	----	----	.060
09N/01W-14803	S 03-15-72	312	21.5	30.0	.02	91.0	18.0	130.	3.5	267	0	190.	120.	.8	1.30	----
09N/01W-14804	S 11-07-69	399	----	17.0	.01	35.0	5.5	98.0	2.3	186	0	84.0	54.0	1.2	3.00	----
09N/01W-14805	S 06-26-69	126	----	26.0	.72	68.0	14.0	102.	2.5	262	----	110.	77.0	.9	2.20	----
09N/01W-15A01	S 08-09-51	129	----	----	----	46.0	11.0	140.	----	232	0	165.	67.0	----	3.50	----
09N/01W-15001	S 06-30-66	475	----	19.0	1.50	34.0	4.2	210.	4.5	126	0	266.	122.	1.1	16.0	----
09N/01W-15001	S 05-17-72	475	24.0	13.0	.30	22.0	5.1	210.	5.2	133	0	230.	120.	1.6	2.00	----
09N/01W-15002	S 07-01-66	290	----	22.0	.17	32.0	3.9	160.	5.5	158	0	154.	100.	1.0	20.0	----
09N/01W-15002	S 05-17-72	290	23.0	20.0	.12	19.0	2.8	150.	5.0	141	2	110.	95.0	1.3	4.90	----
09N/01W-27001	S 08-24-66	548	----	----	.58	9.6	.5	155.	7.5	124	0	22.0	170.	.2	.60	----
09N/01W-27001	S 05-17-72	548	23.0	----	.04	5.0	.0	110.	5.5	7	26	12.0	140.	1.3	.20	----
09N/02W-01F01	S 10-07-50	174	----	14.0	.01	42.0	11.0	55.0	----	195	0	54.0	38.0	----	----	----
09N/02W-01F01	S 07-21-54	174	13.0	----	----	45.0	9.0	64.0	1.4	190	0	74.0	33.0	.8	4.00	----
09N/02W-01F01	S 12-01-54	174	----	14.0	----	32.0	7.0	59.0	----	183	0	43.0	29.0	.3	.00	----
09N/02W-01F01	S 09-14-55	174	----	----	----	31.0	5.0	50.0	1.8	163	0	37.0	25.0	.6	1.00	----
09N/02W-01F01	S 05-02-56	174	21.0	----	----	40.0	7.0	72.0	2.0	200	0	72.0	35.0	.8	1.00	----
09N/02W-01F01	S 05-02-56	174	----	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/02W-01F01	S 12-19-56	174	18.0	22.0	----	36.0	9.0	55.0	2.0	177	0	56.0	33.0	.7	1.00	----
09N/02W-01F01	S 03-29-57	174	----	20.0	----	33.0	8.0	56.0	----	173	0	49.0	28.0	.3	1.00	----
09N/02W-01F01	S 12-05-57	174	----	----	----	50.0	10.0	69.0	2.0	206	0	71.0	46.0	.8	2.00	----
09N/02W-01F01	S 03-28-58	174	----	----	----	----	----	----	----	139	5	----	41.0	----	----	----
09N/02W-01F01	S 07-29-58	174	21.0	27.0	----	47.0	7.0	65.0	2.7	185	0	73.0	42.0	.5	1.00	----
09N/02W-01F01	S 08-08-61	174	20.0	31.0	----	47.0	9.6	76.0	2.0	195	0	98.0	44.0	.8	4.30	----
09N/02W-01F01	S 12-20-61	174	19.0	29.0	----	58.0	12.0	69.0	2.2	232	0	81.0	50.0	.7	3.00	----
09N/02W-01F01	S 07-18-63	174	18.0	22.0	----	45.0	16.0	78.0	2.3	199	0	103.	48.0	.6	4.20	----



P04	B	DS	HARD. CARB.	HARD. N.C.	ALK. CAC03	COND	PH	COD	DOC	PHENOLS	OIL & GREASE	MBAS	AS	TOTAL CR	CR+6	CU	TOTAL HG
----	----	306	128	----	----	----	7.1	----	----	----	----	----	----	----	----	----	----
----	----	340	105	----	----	----	8.0	----	----	----	----	----	----	----	----	----	----
----	----	310	138	----	----	----	8.2	----	----	----	----	----	----	----	----	----	----
----	.34	370	155	----	----	----	8.2	----	----	----	----	----	----	----	----	----	----
----	----	450	156	----	----	----	7.7	----	----	----	----	----	----	----	----	----	----
----	----	370	140	----	----	----	7.7	----	----	----	----	----	----	----	----	----	----
----	.57	440	----	----	----	708	7.3	----	----	----	----	----	----	----	----	----	----
----	.90	330	150	----	----	----	8.0	----	----	----	----	----	----	----	----	----	----
----	----	410	132	----	----	----	7.9	----	----	----	----	----	----	----	----	----	----
----	.90	.20	425	138	----	608	7.3	----	----	----	----	----	----	----	----	----	----
----	.20	.39	510	146	----	725	8.2	----	----	----	----	----	----	----	----	----	----
----	.10	.40	530	184	----	755	7.7	----	----	----	----	.200	----	----	----	----	----
----	----	.60	650	216	----	930	7.5	----	----	----	----	----	----	----	----	----	----
----	----	.50	560	160	----	800	7.2	----	----	----	----	----	----	----	----	----	----
----	----	.43	610	222	----	874	7.2	----	----	----	----	----	----	----	----	----	----
----	.35	580	224	----	----	----	7.6	----	----	----	----	----	----	----	----	----	----
----	.18	584	228	----	----	----	7.4	----	----	----	----	----	----	----	----	----	----
----	.10	500	192	----	----	----	7.6	----	----	----	----	----	----	----	----	----	----
----	.30	516	168	----	----	----	8.1	----	----	----	----	----	----	----	----	----	----
----	.05	.49	860	304	----	1230	----	----	----	----	----	.050	----	----	----	----	----
----	.30	350	128	----	----	----	8.3	----	----	----	----	----	----	----	----	----	----
----	.52	374	----	----	----	621	7.5	----	----	----	----	----	----	----	----	----	----
----	----	370	140	----	----	----	7.9	----	----	----	----	----	----	----	----	----	----
----	.10	.61	440	130	----	----	7.9	----	----	----	----	----	----	----	----	----	----
----	----	830	224	----	----	1190	8.2	----	----	----	----	----	----	----	----	----	----
----	.40	510	160	----	----	725	7.6	----	----	----	----	----	----	----	----	----	----
----	.10	578	196	----	----	826	7.2	----	----	----	----	----	----	----	----	----	----
----	.30	550	200	----	----	----	7.4	----	----	----	----	----	----	----	----	----	----
----	.60	600	224	----	----	----	7.5	----	----	----	----	----	----	----	----	----	----
----	----	590	215	----	----	----	7.9	----	----	----	----	----	----	----	----	----	----
----	.58	576	220	----	----	----	7.4	----	----	----	----	----	----	----	----	----	----
----	.20	576	220	----	----	----	7.6	----	----	----	----	----	----	----	----	----	----
----	.40	456	160	----	----	----	8.2	----	----	----	----	----	----	----	----	----	----
----	.48	652	242	----	----	----	8.6	----	----	----	----	----	----	----	----	----	----
----	1.20	676	252	----	----	----	8.1	----	----	----	----	----	----	----	----	----	----
----	.61	524	212	----	----	----	8.4	----	----	----	----	----	----	----	----	----	----
----	.10	1.00	732	252	----	----	7.4	----	----	----	----	.040	----	----	----	.100	----
----	.80	.33	530	223	12	861	7.4	----	----	----	----	----	----	----	----	----	----
----	----	.56	538	218	7	884	7.2	----	----	----	----	----	----	----	----	----	----
----	.10	.11	560	196	----	----	7.5	----	----	----	----	.070	----	----	----	.000	----
----	.06	548	232	----	----	----	7.7	----	----	----	----	----	----	----	----	----	----
----	.20	.25	636	264	----	----	7.5	----	----	----	----	.440	----	----	----	.000	----
----	----	.15	668	280	----	----	7.6	----	----	----	----	.050	----	----	----	----	----
----	.80	.48	636	244	----	----	7.7	----	----	----	----	.010	----	----	----	.000	----
----	.05	.22	1080	180	----	----	6.8	----	----	----	----	.060	----	----	----	----	----
----	.02	----	----	----	----	----	----	1.00	----	----	.200	.025	----	----	----	----	----
----	.76	721	300	82	219	1130	7.6	----	1.10	----	----	----	.002	----	----	----	----
----	1.10	----	110	----	----	661	7.6	----	----	----	----	----	----	----	----	----	----
----	.33	524	227	12	----	864	7.7	----	----	----	----	----	----	----	----	----	----
----	.89	628	----	----	----	850	8.4	----	----	----	----	----	----	----	----	----	----
----	5.00	745	110	7	----	1200	8.1	----	----	----	----	----	----	----	----	----	----
----	4.90	686	----	----	----	1150	8.2	----	----	----	----	----	----	----	----	----	----
----	2.20	579	100	0	----	948	7.7	----	----	----	----	----	----	----	----	----	----
----	2.20	498	----	----	----	831	8.4	----	----	----	----	----	----	----	----	----	----
----	1.00	428	24	0	----	814	8.2	----	----	----	----	----	----	----	----	----	----
----	.89	305	----	----	----	620	----	----	----	----	----	----	----	----	----	----	----
----	----	311	150	----	----	440	7.8	----	----	----	----	----	----	----	----	----	----
----	.14	355	149	0	----	524	7.7	----	----	----	----	----	----	----	----	----	----
----	----	276	108	----	----	----	7.0	----	----	----	----	----	----	----	----	----	----
----	.20	251	98	----	----	389	8.1	----	----	----	----	----	----	----	----	----	----
----	.84	360	129	----	----	500	7.8	----	----	.000	1.00	----	----	----	.000	----	----
----	----	304	127	----	----	465	7.8	----	----	----	1.00	----	----	----	----	----	----
----	1.70	284	114	----	----	----	7.7	----	----	----	----	----	----	----	----	----	----
----	.26	385	168	----	----	642	7.6	----	----	----	----	----	----	----	----	----	----
----	----	----	116	0	----	530	8.4	----	----	----	----	----	----	----	----	----	----
----	.10	345	144	----	----	575	8.0	----	----	----	----	----	----	----	----	----	----
----	.24	402	157	0	----	649	7.5	----	----	.000	8.60	.000	----	----	.000	----	----
----	.08	.20	380	191	1	664	7.7	----	----	----	----	.040	----	.000	----	----	----
----	----	.27	404	177	13	670	7.7	----	----	----	----	----	----	----	----	----	----



WELL NUMBER	DATE	DEPTH (FT)	TEMP (C)	SI02	TOTAL FE	CA	MG	NA	K	HC03	CO3	SO4	CL	F	NO2+ NO3	NH4
09N/02W-01F02	S 04-11-45	170	----	38.0	.05	49.0	11.0	71.0	----	214	0	69.0	52.0	----	----	----
09N/02W-01F02	S 04-24-45	170	----	35.0	.00	43.0	11.0	73.0	----	214	0	69.0	45.0	----	----	----
09N/02W-01F02	S 12-05-47	170	----	12.0	.00	41.0	9.0	70.0	----	220	0	53.0	39.0	----	----	----
09N/02W-01F02	S 10-07-50	170	----	11.0	.00	43.0	11.0	62.0	----	183	0	75.0	42.0	----	----	----
09N/02W-01F02	S 12-01-54	170	----	5.0	.00	50.0	7.0	52.0	----	189	0	42.0	47.0	.4	.00	----
09N/02W-01F02	S 05-19-55	170	22.0	16.0	.00	47.0	13.0	74.0	2.0	204	0	96.0	43.0	.8	1.00	----
09N/02W-01F02	S 12-19-56	170	18.0	27.0	----	45.0	12.0	76.0	2.3	195	0	100.	50.0	.7	2.00	----
09N/02W-01F02	S 12-05-57	170	----	----	----	46.0	10.0	72.0	2.0	170	9	94.0	42.0	.8	2.00	----
09N/02W-01F02	S 12-19-57	170	19.0	----	----	----	----	----	----	192	0	----	46.0	----	----	----
09N/02W-01F02	S 03-28-58	170	----	----	----	----	----	----	----	158	10	----	40.0	----	----	----
09N/02W-01F02	S 04-29-58	170	21.0	22.0	----	48.0	10.0	64.0	1.9	184	0	98.0	37.0	.4	.00	----
09N/02W-01F03	S 10-14-58	139	21.0	26.0	----	48.0	9.0	69.0	2.1	180	5	90.0	48.0	.7	3.00	----
09N/02W-01F04	S 03-26-59	180	21.0	25.0	----	51.0	9.0	61.0	2.0	175	0	93.0	41.0	.8	1.00	----
09N/02W-01F04	S 04-09-59	180	----	----	.01	50.0	9.0	63.0	2.0	183	0	93.0	38.0	.6	2.00	----
09N/02W-01F04	S 05-06-59	180	----	----	.02	52.0	9.0	66.0	2.0	194	2	97.0	38.0	.6	2.00	----
09N/02W-01F04	S 11-03-59	180	20.0	----	----	----	----	----	----	177	0	----	37.0	----	----	----
09N/02W-01F04	S 03-29-60	180	21.0	----	----	----	----	----	----	181	0	----	32.0	----	----	----
09N/02W-01F04	S 08-24-60	180	20.0	----	----	----	----	----	----	177	0	----	30.0	----	----	----
09N/02W-01F04	S 12-15-60	180	20.0	----	----	----	----	----	----	193	0	----	36.0	----	----	----
09N/02W-01F04	S 04-12-61	180	19.0	27.0	----	60.0	10.0	68.0	2.2	163	0	125.	33.0	.8	2.00	----
09N/02W-01F04	S 08-08-61	180	20.0	----	----	----	----	----	----	185	0	----	27.0	----	----	----
09N/02W-01F04	S 12-28-61	180	----	25.0	----	54.0	11.0	58.0	2.2	178	0	112.	32.0	.7	1.50	----
09N/02W-01F04	S 07-18-63	180	18.0	19.0	----	55.0	10.0	56.0	2.3	296	0	117.	25.0	.4	1.00	----
09N/02W-01F04	S 03-24-64	180	17.0	21.0	----	54.0	8.0	60.0	2.2	195	0	83.0	41.0	.6	2.20	----
09N/02W-01F04	S 12-07-67	180	----	----	----	----	----	----	----	----	----	----	37.0	----	----	----
09N/02W-01F04	S 06-04-70	180	----	----	----	----	----	----	----	----	----	----	----	----	8.00	----
09N/02W-01F04	S 12-16-70	180	----	----	----	----	----	65.0	----	----	----	116.	43.0	.4	----	----
09N/02W-01F04	S 03-08-71	180	----	----	----	67.0	7.0	60.0	4.0	180	0	112.	37.0	1.0	9.00	----
09N/02W-01F04	S 05-06-71	180	----	----	----	67.0	10.0	62.0	2.0	183	0	128.	36.0	.4	7.00	----
09N/02W-01F04	S 03-07-72	180	----	----	----	----	----	----	----	----	----	----	----	----	----	.020
09N/02W-01F04	S 03-14-72	180	18.5	27.0	.02	56.0	10.0	60.0	2.5	185	0	110.	34.0	.4	2.80	----
09N/02W-02A01	S 03-10-72	----	----	----	----	----	----	----	----	----	----	----	----	----	----	.060
09N/02W-02A01	S 03-21-72	----	19.5	27.0	.02	87.0	16.0	72.0	3.3	179	0	250.	28.0	.2	2.00	----
09N/02W-03001	S 03-28-55	137	----	----	----	42.0	7.0	57.0	2.6	196	0	48.0	28.0	.6	11.0	----
09N/02W-03002	S 03-31-55	81	----	----	----	76.0	13.0	96.0	3.3	29	0	137.	48.0	.6	8.50	----
09N/02W-03R02	S 03-08-72	----	----	----	----	----	----	----	----	----	----	----	----	----	----	.080
09N/02W-03R02	S 03-20-72	----	18.5	28.0	.03	50.0	9.2	64.0	2.3	208	0	76.0	46.0	.6	1.80	----
09N/02W-04J01	S 11-25-53	65	----	----	----	51.0	13.0	66.0	2.3	205	0	74.0	58.0	.7	2.00	----
09N/02W-04K01	S 09-01-54	66	----	----	----	39.0	8.0	44.0	2.0	163	0	45.0	23.0	.6	.50	----
09N/02W-05M01	S 03-09-72	102	----	----	----	----	----	----	----	----	----	----	----	----	----	.060
09N/02W-05M01	S 03-17-72	102	17.0	24.0	.02	32.0	5.8	58.0	2.5	148	0	64.0	30.0	.8	.90	----
09N/02W-05M01	S 03-28-72	102	16.2	----	----	----	----	----	----	----	----	----	----	----	----	----
09N/02W-05N04	S 12-10-53	50	----	----	----	65.0	15.0	82.0	3.3	225	0	111.	74.0	.6	1.00	----
09N/02W-08A01	S 11-05-53	91	----	----	----	54.0	8.5	70.0	2.6	210	0	86.0	57.0	.6	5.00	----
09N/02W-08A01	S 12-09-53	91	----	----	.00	54.0	8.7	66.0	4.0	167	0	77.0	49.0	.5	.40	----
09N/02W-08B01	S 11-05-53	99	----	----	----	77.0	15.0	100.	2.8	212	0	142.	110.	.6	5.50	----
09N/02W-08B01	S 12-09-53	99	----	----	.00	78.0	16.0	104.	6.0	171	0	148.	110.	1.0	.70	----
09N/02W-08C01	S 01-01-57	87	----	----	----	60.0	12.0	78.0	2.4	211	0	106.	65.0	1.1	1.50	----
09N/02W-10A02	S 05-16-57	223	25.0	----	.24	19.0	11.0	49.0	1.0	122	0	96.0	56.0	1.1	.20	----
09N/02W-10A03	S 05-03-57	100	----	----	----	51.0	12.0	84.0	3.1	216	0	101.	61.0	.9	2.00	----
09N/02W-10A03	S 05-22-57	100	25.0	----	.24	48.0	15.0	44.0	2.3	211	0	104.	56.0	1.1	.90	----
09N/02W-10B01	S 10-27-54	120	----	----	----	15.0	5.0	350.	2.4	351	22	311.	128.	4.0	5.00	----
09N/02W-10B01	S 05-05-55	120	35.0	----	.00	17.0	5.0	360.	2.3	376	0	324.	137.	3.5	6.00	----
09N/02W-10B01	S 05-02-56	120	----	----	----	----	----	----	----	386	0	----	146.	----	----	----
09N/02W-10B01	S 12-19-56	120	----	----	----	----	----	----	----	372	0	----	145.	----	----	----
09N/02W-17E01	S 04-20-54	130	----	----	----	28.0	7.0	115.	3.7	229	0	101.	43.0	4.0	2.00	----
09N/02W-17E01	S 10-27-54	130	----	----	----	29.0	7.0	113.	2.9	220	0	102.	43.0	3.5	3.50	----
09N/02W-17E01	S 05-05-55	130	----	55.0	.00	37.0	2.0	112.	2.6	215	0	106.	43.0	4.0	4.00	----
09N/02W-17E01	S 04-12-56	130	20.0	----	----	----	----	----	----	207	0	----	44.0	----	----	----
09N/02W-17E01	S 12-19-56	130	----	----	----	----	----	----	----	201	0	----	49.0	----	----	----
09N/02W-17E01	S 07-09-57	130	----	----	----	38.0	7.0	136.	1.1	201	0	160.	60.0	2.2	12.0	----
09N/02W-19R01	S 04-20-54	152	----	----	----	11.0	4.0	135.	2.6	224	0	85.0	41.0	2.0	2.50	----
09N/02W-20D01	S 02-03-55	170	----	----	----	23.0	6.0	125.	2.0	188	0	107.	48.0	3.0	8.00	----
09N/02W-21R01	S 03-17-72	----	----	----	----	----	----	----	----	----	----	----	----	----	----	.060
09N/02W-21R01	S 03-21-72	21.0	50.0	.01	65.0	14.0	160.	3.3	225	0	250.	69.0	3.0	3.20	----	----
09N/02W-34D01	S 03-17-32	180	----	----	----	28.0	11.0	92.0	----	223	0	137.	28.0	----	8.70	----
10N/01W-31B01	S 04-13-55	130	----	----	----	91.0	19.0	150.	3.0	227	0	181.	173.	.6	10.0	----
10N/01W-31F01	S 10-02-50	85	----	----	.00	38.0	8.0	43.0	----	177	0	38.0	26.0	----	----	----
10N/01W-31H01	S 03-10-72	114	----	----	----	----	----	----	----	----	----	----	----	----	----	.080
10N/01W-31H01	S 03-22-72	114	20.0	26.0	.62	190.	33.0	210.	5.4	375	0	490.	180.	.4	3.90	----



P04	B	DS	HARD. CARB.	HARD. N.C.	ALK. CAC03	COND	PH	COD	DOC	PHENOLS	OIL & GREASE	MBAS	AS	TOTAL CR	CR+6	CU	TOTAL HG
----	-----	397	167	-----	-----	-----	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	383	150	-----	-----	-----	---	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	334	138	-----	-----	-----	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	336	152	-----	-----	460	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	298	157	-----	-----	-----	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.35	395	172	-----	-----	640	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.30	412	162	-----	-----	625	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.24	338	157	-----	-----	615	8.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	155	-----	-----	624	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	144	-----	-----	589	8.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.10	381	160	-----	-----	566	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.18	378	158	-----	-----	622	8.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.35	414	164	-----	-----	578	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	440	160	-----	150	-----	8.1	-----	-----	.000	.000	.000	-----	.000	.000	-----	-----
----	-----	420	168	-----	163	-----	8.4	-----	-----	.000	.000	.100	-----	.000	.000	.000	-----
----	-----	-----	163	-----	-----	530	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	179	-----	-----	604	7.5	-----	-----	-----	-----	-----	.000	-----	-----	-----	-----
----	-----	-----	196	-----	-----	630	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	173	15	-----	609	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.12	410	191	41	-----	629	8.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	208	56	-----	652	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.12	350	179	33	-----	581	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.12	432	180	38	-----	600	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.21	366	169	9	-----	565	8.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	385	-----	-----	-----	590	-----	-----	-----	0.00	0.50	-----	-----	-----	0.00	-----	-----
----	.07	-----	-----	-----	-----	600	8.2	-----	-----	.000	-----	.020	-----	.000	.000	-----	-----
----	.40	423	200	-----	-----	760	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.10	409	196	-----	-----	600	7.2	-----	-----	-----	-----	.200	-----	-----	-----	-----	-----
----	.20	473	208	-----	-----	675	7.4	-----	-----	-----	-----	.200	-----	-----	-----	-----	-----
----	.01	-----	-----	-----	-----	-----	-----	.000	-----	-----	.200	.000	-----	-----	-----	-----	-----
----	.12	.17	403	180	29	152	625	7.6	-----	-----	.300	.015	.004	-----	-----	-----	-----
----	-----	.06	580	280	140	147	856	7.7	1.60	-----	-----	.000	-----	-----	-----	-----	-----
----	-----	.10	288	135	-----	160	508	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	.14	517	242	-----	244	878	7.3	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.07	-----	-----	-----	-----	-----	-----	12.0	-----	-----	.600	.010	-----	-----	-----	-----	-----
----	.23	387	160	0	171	595	8.1	-----	.700	-----	-----	-----	.007	-----	-----	-----	-----
----	.18	366	179	-----	168	638	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.12	267	128	-----	142	435	8.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.41	-----	-----	-----	-----	-----	-----	3.00	-----	-----	.200	.000	-----	-----	-----	-----	-----
----	.29	294	100	0	121	449	8.2	-----	.500	-----	-----	-----	.004	-----	-----	-----	-----
----	-----	.23	478	224	-----	184	800	8.1	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	.12	388	170	-----	172	667	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	465	176	-----	-----	-----	8.2	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.24	571	256	-----	174	946	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	680	260	-----	-----	-----	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.26	481	198	-----	173	673	7.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	328	93	-----	-----	572	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.30	466	175	-----	177	706	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	182	-----	-----	666	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	2.42	1010	58	-----	-----	1650	8.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	3.20	1020	-----	-----	-----	1540	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	70	-----	-----	1700	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	70	-----	-----	1700	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.58	450	99	-----	-----	691	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.74	435	102	-----	-----	699	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.80	445	101	-----	-----	641	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	93	-----	-----	670	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	-----	103	-----	-----	680	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.60	542	124	-----	-----	800	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.41	402	44	-----	-----	638	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.76	479	83	-----	166	688	8.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.03	-----	-----	-----	-----	-----	-----	11.0	-----	-----	.200	.004	-----	-----	-----	-----	-----
----	1.10	740	220	35	185	1040	8.0	-----	.200	-----	-----	-----	.010	-----	-----	-----	-----
----	.54	-----	115	-----	-----	604	8.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.38	768	304	-----	202	1290	8.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	-----	341	-----	-----	-----	350	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
----	.13	-----	-----	-----	-----	-----	-----	2.00	-----	-----	.800	.045	-----	-----	-----	-----	-----
----	.55	1340	610	300	308	1990	7.6	-----	1.20	-----	-----	-----	.000	-----	-----	-----	-----



WELL NUMBER	DATE	DEPTH (FT)	TEMP (C)	SI02	TOTAL FE	CA	MG	NA	K	HC03	CO3	SO4	CL	F	NO2+ NO3	NH4
10N/01W-31H02	S 08-01-51		----	----	----	56.0	12.0	105.	----	266	0	104.	53.0	.8	3.00	----
10N/01W-31L02	S 12-15-51	65	----	----	.00	52.0	10.0	75.0	----	226	0	83.0	46.0	----	1.20	----
10N/01W-31L05	S 10-05-32	156	----	17.0	.01	37.0	10.0	51.0	2.0	192	0	41.0	28.0	----	1.00	----
10N/01W-31L05	S 10-07-50	156	----	12.0	----	54.0	11.0	78.0	----	244	0	86.0	42.0	----	----	----
10N/01W-31L06	S 04-09-59		----	----	.17	56.0	10.0	65.0	2.0	215	0	102.	34.0	.4	1.00	----
10N/01W-31L06	S 06-04-70		----	----	----	----	----	----	----	----	----	----	----	----	5.30	----
10N/01W-31L06	S 12-16-70		----	----	----	----	----	81.0	----	----	----	280.	41.0	.2	----	----
10N/01W-31L06	S 03-08-71		----	----	----	132.	10.0	77.0	5.0	210	0	270.	39.0	.4	8.00	----
10N/01W-31L06	S 05-06-71		----	----	----	120.	14.0	79.0	5.0	217	0	290.	39.0	.3	4.00	----
10N/01W-31L06	S 03-07-72		----	----	----	----	----	----	----	----	----	----	----	----	----	.020
10N/01W-31L06	S 03-14-72		18.5	28.0	.02	130.	23.0	89.0	4.2	221	0	350.	41.0	.4	3.00	----
10N/01W-31L07	S 10-02-50		----	10.0	.00	39.0	8.0	43.0	----	177	0	38.0	26.0	----	----	----
10N/01W-31L14	S 12-15-51	30	----	----	----	47.0	11.0	245.	----	384	0	297.	68.0	.9	2.50	----
10N/01W-31P01	S 11-30-51	29	----	----	----	52.0	10.0	75.0	----	226	0	83.0	46.0	----	1.00	----
10N/01W-31Q01	S 09-14-71	62	20.5	----	----	----	----	----	----	----	----	----	----	----	----	----
10N/01W-31Q01	S 10-07-71	62	20.5	30.0	.01	72.0	13.0	98.0	3.3	214	0	180.	61.0	.6	3.60	----
10N/01W-31Q01	S 03-09-72	62	----	----	----	----	----	----	----	----	----	----	----	----	----	.060
10N/01W-31Q01	S 03-14-72	62	20.5	31.0	.01	76.0	14.0	100.	3.4	208	0	190.	67.0	.7	3.80	----
10N/01W-31Q01	S 03-28-72	62	19.7	----	----	----	----	----	----	----	----	----	----	----	----	----
10N/01W-32A02	S 02-11-56		----	----	----	43.0	13.0	120.	2.7	220	0	112.	75.0	.8	21.0	----
10N/01W-32D01	S 12-14-51	75	----	----	----	45.0	8.0	64.0	----	214	0	47.0	32.0	----	3.00	----
10N/01W-32F02	S 03-27-52	18	----	----	----	146.	35.0	330.	4.0	361	0	746.	116.	3.0	.00	----
10N/01W-32F03	S 04-03-56		----	----	----	159.	29.0	230.	5.0	486	0	413.	142.	.6	.00	----
10N/01W-32F04	S 03-12-72	50	----	----	----	----	----	----	----	----	----	----	----	----	----	.060
10N/01W-32F04	S 03-21-72	50	19.5	26.0	.03	120.	20.0	130.	4.2	313	0	260.	95.0	.3	2.50	----
10N/01W-32F05	S 10-15-58		----	23.0	----	84.0	13.0	156.	3.2	320	0	246.	74.0	.5	2.00	----
10N/01W-32F05	S 04-09-59		----	----	.90	96.0	22.0	156.	2.0	329	0	284.	76.0	.8	1.00	----
10N/01W-32F14	S 12-14-51	45	----	28.0	.01	129.	29.0	210.	----	372	0	552.	80.0	1.0	4.00	----
10N/01W-32J01	S 11-29-51	57	----	----	----	45.0	12.0	61.0	----	212	0	79.0	39.0	.2	1.90	----
10N/01W-32J01	S 07-22-54	57	18.0	----	----	45.0	9.0	62.0	3.0	217	0	56.0	32.0	.7	2.00	----
10N/01W-32J01	S 05-19-55	57	----	14.0	----	48.0	9.1	61.0	2.4	210	0	66.0	37.0	.5	1.20	----
10N/01W-32J01	S 09-14-55	57	----	----	----	----	----	----	----	207	0	----	40.0	----	----	----
10N/01W-32J01	S 04-18-56	57	21.0	25.0	----	65.0	13.0	72.0	3.1	237	0	105.	52.0	.6	.30	----
10N/01W-32J01	S 12-19-56	57	14.0	20.0	----	72.0	14.0	83.0	3.5	256	0	133.	63.0	.5	.90	----
10N/01W-32J01	S 12-05-57	57	----	----	----	79.0	15.0	84.0	----	258	0	140.	67.0	.5	.50	----
10N/01W-32J01	S 03-27-58	57	----	----	----	----	----	----	----	176	0	----	53.0	----	----	----
10N/01W-32J01	S 10-15-58	57	----	18.0	----	54.0	14.0	66.0	----	201	6	87.0	46.0	.2	1.40	----
10N/01W-32J01	S 03-24-59	57	----	----	----	----	----	----	----	216	0	----	45.0	----	----	----
10N/01W-32J01	S 04-09-59	57	----	----	3.50	58.0	8.5	74.0	----	228	0	90.0	42.0	.6	.70	----
10N/01W-32J01	S 05-26-59	57	----	----	----	64.0	13.0	144.	----	278	0	130.	94.0	.9	15.0	----
10N/01W-32J01	S 03-03-60	57	----	----	----	62.0	13.0	74.0	----	251	0	69.0	57.0	.6	.20	----
10N/01W-32J01	S 03-29-60	57	21.0	24.0	----	62.0	12.0	78.0	3.0	244	0	103.	47.0	.6	1.00	----
10N/01W-32J01	S 08-24-60	57	----	----	----	----	----	----	----	253	0	----	52.0	----	----	----
10N/01W-32J01	S 12-16-60	57	----	----	----	----	----	----	----	243	0	----	50.0	----	----	----
10N/01W-32J01	S 08-09-61	57	----	----	----	----	----	----	----	246	0	----	47.0	----	----	----
10N/01W-32J01	S 01-24-65	57	----	----	----	66.0	11.0	74.0	2.9	240	0	111.	44.0	.7	2.10	----
10N/01W-32J01	S 06-16-65	57	----	----	----	67.0	11.4	75.0	3.0	232	0	118.	44.0	.7	2.10	----
10N/01W-32J01	S 12-27-65	57	----	----	----	54.0	8.5	60.0	2.8	219	0	75.0	35.0	.6	1.90	----
10N/01W-32J01	S 01-03-67	57	----	----	----	58.0	10.2	65.0	2.8	228	0	96.0	36.0	.5	1.90	----
10N/01W-32J01	S 08-30-67	57	----	----	----	77.0	13.0	83.0	3.2	232	0	159.	46.0	.5	2.60	----
10N/01W-32J01	S 03-11-68	57	----	----	----	96.0	16.0	100.	3.7	242	0	235.	54.0	.6	2.70	----
10N/01W-32J01	S 09-11-68	57	----	----	----	90.0	14.0	86.0	3.3	247	0	187.	52.0	.6	3.30	----
10N/01W-32J01	S 04-15-69	57	----	----	----	45.0	7.8	52.0	2.4	181	10	52.0	24.0	.5	3.20	----
10N/01W-32J01	S 11-04-69	57	----	----	----	74.0	12.0	74.0	3.1	200	9	159.	40.0	.6	3.70	----
10N/01W-32J01	S 06-23-70	57	----	----	----	108.	19.0	101.	3.7	255	0	272.	63.0	.6	5.80	----
10N/01W-32J01	S 11-20-70	57	----	----	----	89.0	12.0	90.0	3.3	244	0	193.	54.0	.5	4.70	----
10N/01W-32J02	S 12-06-51	148	----	----	----	104.	23.0	202.	----	470	0	262.	82.0	----	2.10	----
10N/01W-32J02	S 05-13-52	148	----	----	----	----	----	----	----	----	----	----	----	----	----	----
10N/01W-32K01	S 04-09-59		----	----	----	167.	33.0	272.	.4	366	0	620.	180.	.8	1.00	----
10N/01W-32K01	S 12-07-67		----	----	----	----	----	----	----	----	----	----	150.	----	----	----
10N/01W-32K01	S 06- -70		----	----	----	----	----	----	----	----	----	----	----	----	----	----
10N/01W-32K01	S 12- -70		----	----	----	----	----	----	----	----	----	----	----	----	----	----
10N/01W-32K01	S 01- -71		----	----	----	----	----	----	----	----	----	----	----	----	----	----
10N/01W-32N01	S 09-15-71	102	16.5	----	----	----	----	----	----	----	----	----	----	----	----	----
10N/01W-32N01	S 10-07-71	102	16.5	31.0	.01	98.0	19.0	250.	6.9	322	0	300.	240.	.4	1.70	----
10N/01W-32N01	S 03-09-72	102	----	----	----	----	----	----	----	----	----	----	----	----	----	.200
10N/01W-32N01	S 03-14-72	102	17.0	35.0	.02	120.	23.0	300.	8.1	426	0	320.	290.	.4	1.80	----
10N/01W-32N01	S 03-28-72	102	15.7	----	----	----	----	----	----	----	----	----	----	----	----	----
10N/01W-32N02	S 09-15-71	80	15.0	----	----	----	----	----	----	----	----	----	----	----	----	----
10N/01W-32N02	S 10-07-71	80	15.0	29.0	.01	46.0	9.5	140.	4.8	259	0	150.	89.0	.5	.05	----



PO4	B	DS	HARD. CARB.	HARD. N.C.	ALK. CAC03	COND	PH	COO	DOC	PHENOLS	OIL & GREASE	MBAS	AS	TOTAL CR	CR+6	CU	TOTAL HG
----	.20	490	188	----	----	830	7.6	----	----	----	----	----	----	----	----	----	----
----	.20	405	----	----	----	610	8.2	----	----	----	----	----	----	----	----	----	----
----	.13	283	131	----	----	464	8.1	----	----	----	----	----	----	----	----	----	----
----	----	405	181	----	----	550	7.8	----	----	----	----	----	----	----	----	----	----
----	----	485	----	180	----	----	7.7	----	----	----	----	----	----	----	----	----	----
.13	----	----	----	----	----	924	8.2	----	----	.000	----	.020	----	.000	.000	----	----
----	.20	702	340	----	----	1010	7.4	----	----	----	----	----	----	----	----	----	----
----	.10	684	684	----	----	980	7.5	----	----	----	----	.100	----	----	----	----	----
----	.40	716	360	----	----	1020	7.2	----	----	----	----	.100	----	----	----	----	----
.09	----	----	----	----	----	----	----	3.00	----	----	.200	.000	----	----	----	----	----
----	.17	788	420	240	181	1410	7.4	----	.500	----	----	----	.002	----	----	----	----
----	----	252	----	129	----	350	7.5	----	----	----	----	----	----	----	----	----	----
----	.55	809	163	----	----	1630	8.1	----	----	----	----	----	----	----	----	----	----
----	.20	405	173	----	----	610	8.2	----	----	----	----	----	----	----	----	----	----
----	----	----	----	----	----	900	----	----	----	----	----	----	----	----	----	----	----
----	.44	580	230	58	176	870	7.7	----	----	----	----	----	----	----	----	.000	.0002
----	----	----	----	----	----	----	----	3.00	----	----	.500	.030	----	----	----	----	----
----	.52	602	250	77	171	904	7.6	----	.600	----	----	----	.005	----	----	----	----
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	.40	529	160	----	188	858	8.1	----	----	----	----	----	----	----	----	----	----
----	.14	327	146	----	----	500	8.2	----	----	----	----	----	----	----	----	----	----
----	.60	1710	509	----	----	2070	8.3	----	----	----	----	----	----	----	----	----	----
----	.68	1300	515	----	398	1900	7.7	----	----	----	----	----	----	----	----	----	----
.14	----	----	----	----	----	----	----	1.00	----	----	.200	.025	----	----	----	----	----
----	.24	821	380	130	257	1230	7.7	----	.900	----	----	.000	----	----	----	----	----
----	.20	760	265	----	----	1160	7.8	----	----	----	----	----	----	----	----	----	----
----	----	965	330	----	----	----	7.6	----	----	----	----	.050	----	----	----	----	----
----	.44	1130	436	----	----	1630	7.2	----	----	----	----	----	----	----	----	.000	----
----	.12	352	162	----	----	578	7.3	----	----	----	----	----	----	----	----	----	----
----	.10	337	149	----	----	515	7.7	----	----	----	----	----	----	----	----	----	----
----	.15	333	158	----	----	507	7.6	----	----	----	----	----	----	----	----	----	----
----	----	----	165	----	----	541	8.0	----	----	----	----	----	----	----	----	----	----
----	.20	445	216	----	----	654	7.6	----	----	----	----	----	----	----	----	----	----
----	.15	536	238	18	----	795	7.7	----	----	----	----	----	----	----	----	----	----
----	.10	545	258	46	212	858	7.5	----	----	----	----	----	----	----	----	----	----
----	----	----	170	----	152	684	8.2	----	----	----	----	----	----	----	----	----	----
----	.10	407	193	18	----	652	8.4	----	----	----	----	----	----	----	----	----	----
----	----	----	186	----	----	652	7.7	----	----	----	----	----	----	----	----	----	----
----	----	505	180	0	187	----	7.6	----	----	.000	.000	.000	----	.000	.000	----	----
----	.35	603	211	0	228	1000	7.7	----	----	----	----	----	----	----	----	----	----
----	.09	435	206	0	206	724	8.0	----	----	----	----	----	----	----	----	----	----
----	.12	430	202	----	----	710	7.4	----	----	----	----	----	----	----	----	----	----
----	----	----	202	----	----	709	7.8	----	----	----	----	----	----	----	----	----	----
----	----	----	194	0	----	698	7.6	----	----	----	----	----	----	----	----	----	----
----	----	----	208	4	----	717	7.3	----	----	.000	9.10	.000	----	.000	----	----	----
----	.14	372	210	13	197	727	7.7	----	----	----	----	----	----	----	----	----	----
----	.16	441	214	16	198	736	8.2	----	----	----	----	----	----	----	----	----	----
----	.14	346	171	0	179	592	7.9	----	----	----	----	----	----	----	----	----	----
----	.14	382	187	0	187	636	7.7	----	----	----	----	----	----	----	----	----	----
----	.16	502	245	54	191	807	7.5	----	----	----	----	----	----	----	----	----	----
----	.14	638	304	106	198	960	8.0	----	----	----	----	----	----	----	----	----	----
----	.16	627	281	79	202	876	7.1	----	----	----	----	----	----	----	----	----	----
----	.13	289	145	0	164	447	8.4	----	----	----	----	----	----	----	----	----	----
----	.14	467	234	55	179	722	8.5	----	----	----	----	----	----	----	----	----	----
----	.18	671	345	136	209	1160	7.7	----	----	----	----	----	----	----	----	----	----
----	.15	605	271	71	200	962	7.7	----	----	----	----	----	----	----	----	----	----
----	.36	922	357	----	----	1320	8.0	----	----	----	----	----	----	----	----	----	----
----	----	----	510	----	----	510	7.6	----	----	.020	1.00	----	----	----	----	----	----
----	----	1640	----	----	----	1400	----	----	----	.000	.500	1.10	----	----	.000	----	----
----	----	965	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
----	----	922	----	----	----	1680	----	----	----	----	----	.980	----	----	----	----	----
----	----	----	----	----	----	1680	----	----	----	----	----	.430	----	----	----	----	----
----	----	----	----	----	----	2360	----	----	----	----	----	.400	----	----	----	----	----
----	----	----	----	----	----	1700	----	----	----	----	----	----	----	----	----	----	----
----	1.40	1110	320	59	264	1790	7.4	----	----	----	----	----	----	----	----	.020	.0005
1.30	----	----	----	----	----	----	----	16.0	----	----	----	.120	----	----	----	----	----
----	2.30	1320	390	45	349	2060	7.4	----	5.90	----	----	----	.030	----	----	----	----
----	----	----	----	----	----	950	----	----	----	----	----	----	----	----	----	----	----
----	.39	601	150	0	212	954	7.6	----	----	----	----	----	----	----	----	.010	.0001



WELL NUMBER	DATE	DEPTH (FT)	TEMP (C)	SI02	TOTAL FE	CA	MG	NA	K	HC03	CO3	SO4	CL	F	NO2+ NO3	NH4
10N/01W-32N02 S	03-09-72	80	---	---	---	---	---	---	---	---	---	---	---	---	---	.00
10N/01W-32N02 S	03-17-72	80	15.5	32.0	.02	74.0	14.0	180.	6.3	303	0	190.	150.	.4	.00	---
10N/01W-32N02 S	03-28-72	80	15.0	---	---	---	---	---	---	---	---	---	---	---	---	---
10N/01W-32N03 S	09-15-71	55	15.0	---	---	---	---	---	---	---	---	---	---	---	---	---
10N/01W-32N03 S	10-07-71	55	15.0	31.0	.02	52.0	10.0	200.	4.6	308	0	170.	140.	.4	.04	---
10N/01W-32N03 S	03-09-72	55	---	---	---	---	---	---	---	---	---	---	---	---	---	.800
10N/01W-32N03 S	03-14-72	55	15.5	32.0	.03	67.0	13.0	230.	5.9	346	0	190.	190.	.3	.00	---
10N/01W-32N03 S	03-28-72	55	14.8	---	---	---	---	---	---	---	---	---	---	---	---	---
10N/01W-32Q01 S	08-08-51	60	---	---	---	64.0	17.0	157.	---	396	0	103.	96.0	---	2.00	---
10N/01W-32Q01 S	11-29-51	60	---	28.0	.01	59.0	11.0	145.	---	356	0	98.0	90.0	.6	2.00	---
10N/01W-32Q01 S	05-06-59	60	---	---	---	52.0	26.0	320.	4.0	565	31	219.	138.	.2	2.00	---
10N/01W-32R02 S	03-12-72	51	---	---	---	---	---	---	---	---	---	---	---	---	---	.400
10N/01W-32R02 S	03-21-72	51	19.0	46.0	.02	61.0	12.0	140.	7.0	270	0	190.	68.0	1.1	.10	---
10N/01W-32R02 S	03-28-72	51	18.9	---	---	---	---	---	---	---	---	---	---	---	---	---
10N/01W-33E01 S	11-03-59	71	---	23.0	---	83.0	16.0	92.0	3.9	291	0	152.	66.0	.5	.00	---
10N/01W-33E01 S	03-29-60	71	---	23.0	---	87.0	15.0	100.	3.6	300	0	157.	60.0	.6	.50	---
10N/01W-33E01 S	08-24-60	71	20.0	---	---	---	---	---	---	302	0	---	---	---	---	---
10N/01W-33E01 S	12-16-60	71	---	---	---	---	---	---	---	305	0	---	64.0	---	---	---
10N/01W-33E01 S	08-09-61	71	---	24.0	---	75.0	14.0	93.0	3.2	294	0	134.	53.0	.5	1.50	---
10N/01W-33E01 S	07-18-63	71	---	25.0	---	64.0	16.0	103.	3.7	281	0	137.	52.0	.6	2.00	---
10N/01W-33E01 S	03-24-64	71	---	18.0	---	67.0	17.0	103.	3.5	279	0	161.	53.0	.4	.00	---
10N/01W-33E01 S	03-09-72	71	---	---	---	---	---	---	---	---	---	---	---	---	---	.060
10N/01W-33E01 S	03-21-72	71	19.5	27.0	---	140.	22.0	170.	5.0	439	0	340.	69.0	.2	1.60	---
10N/01W-33E02 S	08-18-59	50	---	---	---	99.0	19.0	217.	3.0	432	0	235.	137.	.7	3.00	---
10N/01W-33E02 S	05-13-63	50	---	---	---	87.0	19.0	209.	2.8	403	0	226.	132.	.8	7.60	---
10N/01W-33J01 S	06-01-70	150	---	---	---	---	---	---	---	---	---	---	---	---	2.70	---
10N/01W-33J01 S	03-07-72	150	---	---	---	---	---	---	---	---	---	---	---	---	---	.060
10N/01W-33J01 S	03-20-72	150	20.5	26.0	.01	51.0	8.9	62.0	2.5	229	0	69.0	37.0	.4	1.50	---
10N/01W-33P02 S	02-09-56	87	---	---	---	32.0	7.0	43.0	2.0	166	0	32.0	21.0	.6	1.00	---
10N/01W-33P02 S	07-25-57	87	---	18.0	.01	38.0	11.0	44.0	---	183	0	41.0	30.0	.2	1.00	---
10N/01W-33Q02 S	11-15-62	107	---	---	---	---	---	---	---	195	0	174.	110.	---	---	---
10N/02W-19P01 S	11-05-56	190	---	---	---	4.0	1.0	88.0	.8	168	7	25.0	23.0	1.0	.50	---
10N/02W-30N01 S	07-06-32	35	---	---	---	130.	24.0	92.0	---	235	0	144.	179.	---	33.0	---
10N/02W-30N03 S	12-10-53	115	---	---	---	41.0	9.8	55.0	2.0	210	0	41.0	31.0	.5	4.00	---
10N/02W-30N03 S	04-13-54	115	---	---	---	52.0	9.0	41.0	2.0	215	0	24.0	34.0	.5	6.80	---
10N/02W-30N04 S	12-10-53	135	---	---	---	116.	23.0	130.	2.7	371	0	240.	74.0	.4	10.0	---
10N/02W-30Q05 S	03-13-52	109	---	17.0	---	28.0	3.0	36.0	---	154	---	17.0	23.0	.6	2.50	---
10N/02W-30R01 S	03-04-52	---	---	16.0	---	57.0	10.0	50.0	---	220	0	49.0	47.0	.5	4.00	---
10N/02W-30R02 S	03-13-52	110	---	17.0	---	28.0	3.0	36.0	---	154	0	17.0	23.0	.6	2.50	---
10N/02W-30R02 S	10-27-54	110	19.0	---	---	29.0	6.0	37.0	2.0	156	0	25.0	15.0	.6	5.00	---
10N/02W-30R02 S	04-05-55	110	---	---	---	28.0	5.0	40.0	2.0	146	0	26.0	18.0	.6	4.00	---
10N/02W-30R02 S	05-05-55	110	21.0	25.0	.00	28.0	5.0	38.0	1.8	156	0	25.0	16.0	.7	5.50	---
10N/02W-30R02 S	05-03-56	110	---	---	---	---	---	---	---	156	0	---	18.0	---	---	---
10N/02W-30R02 S	07-09-57	110	---	18.0	---	27.0	5.0	44.0	1.9	134	8	30.0	22.0	.2	.80	---
10N/02W-32B01 S	07-06-32	63	---	---	---	31.0	7.0	46.0	---	177	0	23.0	18.0	---	1.30	---
10N/02W-32N01 S	10-27-54	130	18.0	---	---	34.0	8.0	33.0	2.5	139	0	34.0	19.0	.6	7.00	---
10N/02W-32N01 S	07-10-57	130	19.0	15.0	---	29.0	5.0	37.0	.2	140	0	29.0	23.0	1.6	3.30	---
10N/02W-32Q01 S	02-05-52	100	---	11.0	.00	23.0	6.8	34.0	---	135	0	17.0	17.0	.6	4.00	---
10N/02W-33Q01 S	06- -53	115	---	---	---	50.0	16.0	24.0	3.1	298	0	66.0	39.0	1.0	16.0	---
10N/02W-36J01 S	01-09-64	118	20.0	19.0	---	69.0	11.0	66.0	3.0	240	0	122.	31.0	.4	1.40	---
10N/02W-36N07 S	07-17-56	70	---	---	---	84.0	18.0	74.0	2.4	190	0	191.	63.0	.6	2.50	.000
10N/02W-36P01 S	08-19-16	82	---	---	---	11.0	5.0	133.	---	246	31	42.0	28.0	---	.00	---
10N/02W-36P01 S	03-10-72	82	---	---	---	---	---	---	---	---	---	---	---	---	---	.060
10N/02W-36P01 S	03-22-72	82	19.5	34.0	---	230.	45.0	110.	4.6	191	0	730.	56.0	.3	3.20	---



P04	B	DS	HARD. CARB.	HARD. N.C.	ALK. CAC03	COND	PH	COD	DOC	PHENOLS	OIL & GREASE	MBAS	AS	TOTAL CR	CR+6	CU	TOTAL HG
1.90	-----	-----	-----	-----	-----	-----	-----	13.0	-----	-----	.500	.080	-----	-----	-----	-----	-----
-----	.49	796	240	0	249	1280	7.8	-----	5.10	-----	-----	-----	.030	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	1200	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.49	763	170	0	253	1180	7.8	-----	-----	-----	-----	-----	-----	-----	-----	.000	.0006
1.60	-----	-----	-----	-----	-----	-----	-----	15.0	-----	-----	.700	.110	-----	-----	-----	-----	-----
-----	.76	899	220	0	284	1410	7.4	-----	4.60	-----	-----	-----	.030	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.68	682	229	-----	-----	970	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	1.00	628	192	-----	-----	1010	7.1	-----	-----	-----	-----	-----	-----	-----	-----	.000	-----
-----	-----	1060	235	-----	-----	-----	8.8	-----	-----	.000	.700	1.10	-----	.000	.000	.000	-----
8.40	-----	-----	-----	-----	-----	-----	13.0	-----	-----	-----	.600	.340	-----	-----	-----	-----	-----
-----	.54	659	200	0	221	982	7.3	-----	4.20	-----	-----	-----	.040	-----	-----	-----	-----
-----	.37	683	273	-----	-----	944	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.22	585	276	-----	-----	935	7.8	-----	-----	-----	-----	-----	.000	-----	-----	-----	-----
-----	-----	-----	271	-----	-----	918	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	293	43	-----	913	7.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.21	512	245	4	-----	875	8.1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.24	530	226	0	-----	852	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.23	566	235	6	-----	810	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.16	-----	-----	-----	-----	-----	-----	-----	2.00	-----	-----	.300	.040	-----	-----	-----	-----	-----
-----	.27	996	440	80	360	1430	7.6	-----	.900	-----	-----	-----	.001	-----	-----	-----	-----
-----	.38	946	324	0	354	1500	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.44	881	297	0	330	1420	7.8	-----	-----	-----	-----	.020	-----	-----	-----	-----	-----
.08	-----	-----	-----	-----	-----	632	8.3	-----	-----	.000	-----	.020	-----	.000	.000	-----	-----
.00	-----	-----	-----	-----	-----	-----	-----	.000	-----	-----	.600	.000	-----	-----	-----	-----	-----
-----	.14	376	160	0	188	579	7.6	-----	.300	-----	-----	-----	.004	-----	-----	-----	-----
-----	.06	247	107	0	144	410	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	366	-----	-----	-----	-----	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	234	74	-----	1070	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.34	301	12	-----	150	400	8.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	2.90	-----	423	-----	-----	1220	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.11	301	143	-----	172	498	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.15	308	167	-----	-----	542	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.91	815	383	-----	304	1220	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.10	-----	82	-----	-----	310	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.04	358	183	-----	180	530	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.11	211	82	-----	126	310	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.02	165	97	-----	-----	349	7.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.10	218	91	-----	128	350	8.3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.12	205	91	-----	-----	345	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	94	-----	-----	353	7.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.10	231	88	-----	-----	360	8.6	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.14	-----	106	-----	-----	376	8.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.04	200	118	-----	-----	367	8.2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.18	205	93	-----	-----	366	7.9	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.07	186	86	-----	111	310	7.5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.13	433	191	-----	-----	715	7.4	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.24	408	220	23	-----	670	7.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	.00	-----	284	-----	160	833	8.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	48	-----	-----	457	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
.06	-----	-----	-----	-----	-----	-----	-----	3.00	-----	-----	.300	.035	-----	-----	-----	-----	-----
-----	.28	1320	760	600	157	1750	7.5	-----	1.00	-----	-----	-----	.003	-----	-----	-----	-----



TABLE 3.--Records of water level

Letter(s) following water-level measurements:

A Well being pumped.  
 B Well pumped recently.  
 C Nearby well being pumped.  
 D Nearby well pumped recently.  
 E Estimated.  
 F Dry.

G Measurement by another agency.  
 H Tape measurement (recorder).  
 I Affected by atmospheric pressure.  
 J Water level below sea level.  
 K Measurement from recorder chart.

M Obstruction in well above water surface.  
 N No measurement.  
 O Discontinued.  
 P Destroyed.  
 Q Flowing.

9N/1E-1E1 S. DEPTH 250 FT WHEN DRILLED.

LSD 1935 FT ABOVE MSL.

HIGHEST WATER LEVEL 72.00 BELOW LSD, APR. 11, 1952,

LOWEST WATER LEVEL 78.49 BELOW LSD, NOV. 14, 1962.

RECORDS AVAILABLE: 1952, 1960, 1962.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 11, 1952	72. G	OCT. 20, 1960	74.81	NOV. 14, 1962	78.49		

9N/1W-1L1 S. DEPTH 325 FT IN 1960.

LSD 1930 FT ABOVE MSL.

HIGHEST WATER LEVEL 55.60 BELOW LSD, , 1930,

LOWEST WATER LEVEL 71.40 BELOW LSD, OCT. 19, 1960.

RECORDS AVAILABLE: 1930, 1952, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
, 1930	55.6 G	APR. 22, 1952	58.2 G	OCT. 19, 1960	71.40		

9N/1E-2F2 S. DEPTH 112.8 FT IN 1960, 93.0 FT IN 1967.

LSD 1945 FT ABOVE MSL.

HIGHEST WATER LEVEL 82.34 BELOW LSD, OCT. 25, 1960,

DRY, WATER LEVEL NOT MEASUREABLE, OCT. 25, 1967.

RECORDS AVAILABLE: 1960, 1962, 1967.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 25, 1960	82.34	NOV. 15, 1962	86.53	OCT. 25, 1967	F		

9N/1E-3H3 S. DEPTH 108.5 FT IN 1960.

LSD 1950 FT ABOVE MSL.

HIGHEST WATER LEVEL 73.70 BELOW LSD, APR. 11, 1952,

LOWEST WATER LEVEL 91.24 BELOW LSD, OCT. 16, 1962.

RECORDS AVAILABLE: 1952, 1962.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 11, 1952	73.7 G	OCT. 16, 1962	91.24				

9N/1E-3P1 S. PERFORATED 494-504 FT; DEPTH 504 FT 1968.

LSD 1955 FT ABOVE MSL.

HIGHEST WATER LEVEL 102.72 BELOW LSD, APR. 9, 1969,

LOWEST WATER LEVEL 256.40 BELOW LSD, JUNE 26, 1968.

RECORDS AVAILABLE: 1968-70.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 26, 1968	256.4 B	OCT. 22, 1968	105.14	APR. 9, 1969	102.72	MAR. 20, 1970	P



9N/1E-3P2 S. PERFORATED 160-400 FT; DEPTH 400 FT 1969.  
 LSD 1955 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 101.65 BELOW LSD, MAR. 20, 1970,  
 LOWEST WATER LEVEL 115.70 BELOW LSD, APR. 20, 1971.  
 RECORDS AVAILABLE: 1969-71.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 14, 1969	104.4	MAR. 20, 1970	101.65	OCT. 19, 1970	103.55	JULY 15, 1971	106.7
OCT. 29	101.84	SEP. 10	105.	APR. 20, 1971	115.70	OCT. 18	105.40

9N/1E-3Q1 S. PERFORATED 105-125 FT; DEPTH 125 FT IN 1971.  
 LSD 1960 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 104.00 BELOW LSD, JUNE 19, 1971,  
 LOWEST WATER LEVEL 104.00 BELOW LSD, JUNE 19, 1971.  
 RECORDS AVAILABLE: 1971.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 19, 1971	104.						

9N/1E-3Q2 S. PERFORATED 145-155 FT; DEPTH 155 FT IN 1971.  
 LSD 1960 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 104.00 BELOW LSD, JUNE 17, 1971,  
 LOWEST WATER LEVEL 104.00 BELOW LSD, JUNE 17, 1971.  
 RECORDS AVAILABLE: 1971.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 17, 1971	104.						

9N/1E-4F1 S. PERFORATED 82-100 FT; DEPTH 100 FT IN 1947.  
 LSD 1960 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 71.00 BELOW LSD, AUG. , 1948,  
 LOWEST WATER LEVEL 95.17 BELOW LSD, OCT. 25, 1960.  
 RECORDS AVAILABLE: 1948, 1952, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. , 1948	71. G	APR. 10, 1952	83.7 G	OCT. 25, 1960	95.17B		

9N/1E-4J1 S. PERFORATED 142-260 FT; DEPTH 260 FT IN 1942.  
 LSD 1964.86 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 68.65 BELOW LSD, JUNE 17, 1943,  
 LOWEST WATER LEVEL 128.46 BELOW LSD, APR. 20, 1971.  
 RECORDS AVAILABLE: 1942-43, 1950, 1964-71.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
, 1942	82.5 G	JAN. 6, 1965	105.05	JAN. 5, 1966	109.71	OCT. 23, 1968	111.59
JUNE 17, 1943	68.65G	MAR. 2	105.29	FEB. 9	106.64	APR. 9, 1969	110.06
OCT. 10, 1950	82.5	APR. 7	105.71	MAR. 23	107.11	JUNE 25	114.0 G
JAN. 23, 1959	61.7 A	MAY 5	105.55	MAR. 22, 1967	118.71	OCT. 29	108.72
, 1964	106.9 G	JUNE 3	105.80	MAY 5	111.0 G	MAR. 20, 1970	109.10
MAR. 4	101.20	AUG. 5	106.79	MAR. 13, 1968	111.28	OCT. 19	110.04
OCT. 7	114.12	OCT. 6	107.05	SEP. 12	112.2 G	APR. 20, 1971	128.46
NOV. 6	106.35	NOV. 19	107.05	OCT. 22	125.5 A	OCT. 8	111.81
DEC. 1	105.52	DEC. 8	106.73				



9N/1E-4J2 S. PERFORATED 60-350 FT; DEPTH 350 FT IN 1960.

LSD 1963.50 FT ABOVE MSL.

HIGHEST WATER LEVEL 97.56 BELOW LSD, OCT. 25, 1960,

LOWEST WATER LEVEL 137.98 BELOW LSD, APR. 20, 1971.

RECORDS AVAILABLE: 1960-61, 1963-71.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 8, 1960	98.1 G	JAN. 6, 1965	105.48	DEC. 8, 1965	107.19	APR. 9, 1969	111.51
OCT. 25	97.56	FEB. 4	105.83	JAN. 5, 1966	107.16	JUNE 25	111.0 G
NOV. 3, 1961	102.0 G	MAR. 2	105.74	FEB. 9	107.05	OCT. 29	109.30
APR. 26, 1963	106.0 G	MAY 5	103.97	MAR. 22	107.65	SEP. 10, 1970	111.7 G
, 1964	109.3	JUNE 3	106.22	MAY 5, 1967	111.1 G	OCT. 19	110.68
MAR. 4	100.75G	JULY 16	106.22	MAR. 13, 1968	110.35	APR. 20, 1971	137.98
OCT. 7	111.78	AUG. 5	107.49	SEP. 12	112.9 G	JULY 15	113.5
NOV. 6	109.28	OCT. 6	106.46	OCT. 23	111.95	OCT. 18	112.44
DEC. 1	105.58	NOV. 19	105.40				

9N/1E-4R1 S. PERFORATIONS UNKNOWN; DEPTH 174 FT IN 1942.

LSD 1963 FT ABOVE MSL.

HIGHEST WATER LEVEL 68.60 BELOW LSD, , 1942,

LOWEST WATER LEVEL 135.28 BELOW LSD, APR. 20, 1971.

RECORDS AVAILABLE: 1942-43, 1959-61, 1963-71.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
, 1942	68.6 G	JAN. 6, 1965	110.57	DEC. 8, 1965	112.46	OCT. 23, 1968	117.19
JUNE 17, 1943	72.75G	FEB. 3	110.76	JAN. 5, 1966	112.34	APR. 9, 1969	115.80
JAN. 9, 1959	100.0 G	APR. 7	116.29	FEB. 9	112.14	JUNE 25	115.3 G
OCT. 25, 1960	103.08	MAY 5	110.99	MAR. 22	112.78	OCT. 29	113.98
NOV. 2, 1961	106.0 G	JUNE 3	111.37	JUNE 15	117.35	MAR. 20, 1970	114.43
APR. 26, 1963	108.0 G	JULY 16	112.20	MAR. 22, 1967	118.88	SEP. 10	116. G
, 1964	110.8 G	AUG. 5	112.22	MAY 5	115.5 G	OCT. 19	115.43
NOV. 6	110.78	OCT. 6	112.55	MAR. 13, 1968	118.74	APR. 20, 1971	135.28
DEC. 1	110.77	NOV. 19	112.87	SEP. 12	117.7 G	OCT. 18	117.44

9N/1E-5G2 S. DEPTH 125 FT IN 1960.

LSD 1980 FT ABOVE MSL.

HIGHEST WATER LEVEL 88.60 BELOW LSD, NOV. 15, 1962,

LOWEST WATER LEVEL 88.60 BELOW LSD, NOV. 15, 1962.

RECORDS AVAILABLE: 1962.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1962	88.6						

9N/1E-6H1 S. DEPTH 152 FT IN 1960.

LSD 1980 FT ABOVE MSL.

HIGHEST WATER LEVEL 57.60 BELOW LSD, APR. , 1951,

LOWEST WATER LEVEL 94.50 BELOW LSD, APR. 23, 1952.

RECORDS AVAILABLE: 1951-52.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. , 1951	57.6 G	APR. 23, 1952	94.5 G				



9N/1E-9E1 S. PERFORATED 103-115 FT; DEPTH 115 FT IN 1949.  
 LSD 1980 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 107.88 BELOW LSD, NOV. 13, 1959,  
 LOWEST WATER LEVEL 111.99 BELOW LSD, MAR. 27, 1958.  
 RECORDS AVAILABLE: 1958-60.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 27, 1958	111.99G	NOV. 13, 1959	107.88G	MAR. 25, 1960	111.03G	OCT. 27, 1960	110.10

9N/1E-10H1 S. PERFORATED 431-441 FT; DEPTH 441 FT IN 1968.  
 LSD 1960 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 104.71 BELOW LSD, JULY 16, 1969,  
 LOWEST WATER LEVEL 114.78 BELOW LSD, OCT. 22, 1968.  
 RECORDS AVAILABLE: 1968-71.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1968	114.78	JULY 16, 1969	104.71	MAR. 20, 1970	104.97	APR. 20, 1971	107.12
APR. 9, 1969	106.81	OCT. 29	105.18	OCT. 19	106.23		

9N/1E-10L1 S. PERFORATIONS UNKNOWN; DEPTH 428 FT IN 1942.  
 LSD 1960 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 69.00 BELOW LSD, AUG. 25, 1949,  
 LOWEST WATER LEVEL 118.13 BELOW LSD, APR. 20, 1971.  
 RECORDS AVAILABLE: 1949-50, 1956, 1958-60, 1964-71.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 25, 1949	69. G	APR. 7, 1965	98.95	MAR. 23, 1966	102.35	JUNE 25, 1969	108.8 G
OCT. 10, 1950	74.2 G	MAY 5	99.48	JUNE 15	105.27	OCT. 29	101.14
MAY 16, 1956	85.0 G	JULY 16	100.21	MAY 5, 1967	103.5 G	MAR. 20, 1970	105.80
DEC. 16, 1958	86.0 G	AUG. 5	100.47	SEP. 27	104.21	SEP. 10	103.5 G
JAN. 14, 1959	86.0 G	SEP. 9	100.71	MAR. 13, 1968	105.27	OCT. 19	103.44
OCT. 25, 1960	90.52	OCT. 6	100.80	JULY	103. G	DEC. 21	109.1 G
, 1964	98.9 G	NOV. 19	100.71	SEP. 12	106.1 G	APR. 20, 1971	118.13
MAR. 4	96.60	DEC. 8	100.39	OCT. 22	105.60	JULY 15	105.3
SEP. 2	98.93	FEB. 9, 1966	99.93	APR. 9, 1969	103.82	OCT. 18	108.10
DEC. 1	98.79						

9N/1E-13E1 S. REPORTED MEASUREMENTS FURNISHED BY U.S. BUREAU OF RECLAMATION AND SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT. DEPTH REPORTED 113.2 FT IN 1960.  
 LSD 1948.70 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 49.93 BELOW LSD, MAY 19, 1943,  
 LOWEST WATER LEVEL 85.29 BELOW LSD, OCT. 27, 1960.  
 RECORDS AVAILABLE: 1925-28, 1930-56, 1958, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 14, 1925	60.30G	JAN. 16, 1937	74.08G	JAN. 2, 1945	56.92	OCT. 14, 1946	59.1 G
MAR. 7, 1926	62.47G	JUNE 2	61.13G	MAY 10	54.51	OCT. 23	59.2 G
OCT. 10, 1927	60.05G	MAY 26, 1938	54.80G	NOV. 15	57.12	OCT. 30	59.4 G
OCT. 6, 1928	63.45G	NOV. 26	60.10G	MAY 2, 1946	57.20	NOV. 4	59.5 G
MAY 22, 1930	67.11G	MAY 22, 1939	61.54G	JULY 22	58.3 G	NOV. 12	59.5 G
JAN. 22, 1931	68.45G	NOV. 30	63.90G	JULY 30	58.3 G	NOV. 20	59.5 G
DEC. 7	70.00G	MAY 9, 1940	65.10G	AUG. 5	58.3 G	NOV. 27	59.7 G
MAR. 17, 1932	67.75G	NOV. 27	66.92G	AUG. 12	58.4 G	DEC. 4	59.7 G
MAR. 24	67.19G	JUNE 11, 1941	54.80G	AUG. 27	58.5 G	DEC. 19	59.8 G
APR. 21	65.46G	NOV. 26	57.69G	SEP. 4	58.7 G	JAN. 2, 1947	60.0
JAN. 11, 1933	65.80G	MAY 14, 1942	60.96G	SEP. 9	58.7 G	JAN. 22	59.8 G
JAN. 23, 1934	69.00G	NOV. 25	63.59G	SEP. 17	58.9 G	FEB. 5	59.8 G
JAN. 22, 1935	70.95G	MAY 19, 1943	49.93G	SEP. 25	58.9 G	FEB. 20	59.9 G
DEC. 20	72.46G	DEC. 30	58.54G	OCT. 1	58.9 G	MAR. 4	60.0 G
APR. 23, 1936	72.87G	APR. 26, 1944	52.77	OCT. 7	59.1 G	MAR. 27	60.2 G



DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 10, 1947	60.4 G	AUG. 11, 1948	64.7 G	JUNE 16, 1950	69.5 G	MAR. 14, 1952	72.4 G
APR. 30	60.5 G	SEP. 15	64.6 G	JULY 13	68.9 G	APR. 11	72.6 G
MAY 16	60.6 G	OCT. 14	64.9 G	AUG. 16	69.1 G	JUNE 5	72.03
MAY 22	60.72	NOV. 23	65.15	SEP. 15	69.2 G	JUNE 16	72.4 G
MAY 27	60.7 G	DEC. 10	65.2 G	OCT. 18	69.5 G	NOV. 26	72.84
JUNE 10	60.8 G	FEB. 18, 1949	66.4 G	NOV. 6	69.5 G	DEC. 17	78.1 G
JUNE 26	60.9 G	APR. 15	66.5 G	DEC. 14	69.7 G	JAN. 23, 1953	72.60
JULY 9	61.1 G	MAY 16	66.47	JAN. 17, 1951	69.9 G	FEB. 19	73.65
JULY 23	61.3 G	JUNE 17	66.5 G	FEB. 15	70.1 G	MAR. 19	73.26
AUG. 8	61.4 G	JULY 15	66.7 G	MAR. 21	70.2 G	APR. 17	76.0 G
SEP. 8	61.6 G	AUG. 19	66.8 G	APR. 19	70.3 G	MAY 21	73.93
OCT. 10	61.9 G	SEP. 11	67.0 G	MAY 9	71.10	NOV. 16	81.75
NOV. 17	62.29	OCT. 20	67.8 G	JUNE 15	70.7 G	MAR. 29, 1954	74.90
DEC. 10	62.7 G	NOV. 17	67.27	JULY 19	70.9 G	MAY 18	75.20
FEB. 18, 1948	63.2 G	DEC. 15	67.6 G	SEP. 14	71.8 G	NOV. 22	76.50
MAR. 12	63.1 G	JAN. 25, 1950	67.9 G	OCT. 17	71.9 G	APR. 6, 1955	77.2 G
APR. 16	63.4 G	FEB. 16	67.9 G	NOV. 29	72.04	, 1956	81.1 G
MAY 19	63.75	MAR. 16	68.3 G	DEC. 14	72.0 G	MAR. 26, 1958	82.38
JUNE 15	64.0 G	APR. 20	68.2 G	JAN. 23, 1952	72.0 G	DEC. 3	81.35
JULY 14	64.1 G	MAY 3	68.42	FEB. 15	72.2 G	OCT. 27, 1960	85.29

9N/1E-13E2 S. REPORTED MEASUREMENTS FURNISHED BY U.S. BUREAU OF RECLAMATION AND SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT. DEPTH 169.5 FT IN 1960, 173.8 FT IN 1962.  
LSD 1949.60 FT ABOVE MSL.

HIGHEST WATER LEVEL 54.46 BELOW LSD, APR. 26, 1944.

LOWEST WATER LEVEL 99.49 BELOW LSD, OCT. 22, 1968.

RECORDS AVAILABLE: 1925-27, 1930-33, 1935-71.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 14, 1925	62.88G	OCT. 1, 1946	59.90G	APR. 15, 1949	67.1 G	DEC. 17, 1952	77.6 G
MAR. 7, 1926	63.47G	OCT. 7	60.00G	MAY 16	67.19	JAN. 23, 1953	74.10G
OCT. 10, 1927	60.55G	OCT. 14	60.10G	JUNE 17	67.4 G	FEB. 19	73.98G
MAY 22, 1930	68.0 G	OCT. 23	60.10G	JULY 15	68.0 G	MAR. 19	71.12G
JAN. 22, 1931	69.38G	OCT. 30	60.30G	AUG. 19	68.2 G	MAY 21	74.78
DEC. 7	70.97G	NOV. 12	60.40G	SEP. 16	67.9 G	NOV. 16	85.40G
MAR. 17, 1932	69.00G	NOV. 20	60.40G	OCT. 20	68.6 G	MAR. 29, 1954	75.2 G
MAR. 24	68.52G	NOV. 27	60.60G	NOV. 17	68.36	MAY 18	71.5 G
APR. 21	66.81G	DEC. 4	60.60G	DEC. 15	68.4 G	NOV. 22	73.70G
JAN. 11, 1933	67.70G	DEC. 19	60.70G	JAN. 25, 1950	68.8 G	APR. 15, 1955	78.22G
JAN. 22, 1935	71.90G	JAN. 2, 1947	60.90G	FEB. 16	68.7 G	DEC. 14	79.30G
DEC. 20	73.40G	JAN. 22	60.70G	MAR. 16	69.1 G	, 1956	81.6 G
APR. 23, 1936	73.82G	FEB. 5	60.70G	APR. 20	69.3 G	MAR. 29	79.90G
JAN. 16, 1937	74.95G	FEB. 20	60.80G	MAY 3	69.33	NOV. 5	81.69G
JUNE 2	62.78G	MAR. 4	60.90G	JUNE 16	69.6 G	DEC. 5	81.23
MAY 26, 1938	56.40G	MAR. 27	61.10G	JULY 13	69.8 G	JAN. 2, 1957	81.32G
NOV. 26	60.07G	APR. 10	61.30G	AUG. 16	70.0 G	FEB. 6	81.31G
MAY 22, 1939	62.49G	APR. 30	61.40G	SEP. 15	70.2 G	MAR. 6	81.43G
NOV. 30	64.78G	MAY 16	61.50G	OCT. 18	70.2 G	APR. 3	81.68G
MAY 9, 1940	66.05G	MAY 22	61.57	NOV. 6	70.4 G	MAY 3	82.04G
NOV. 27	67.87G	JUNE 10	61.70G	NOV. 6	71.0	JUNE 3	82.36G
JUNE 11, 1941	56.30G	JUNE 26	61.80G	NOV. 26	70.70G	JULY 2	82.64G
NOV. 26	59.63G	JULY 9	61.00G	DEC. 14	70.6 G	AUG. 1	82.89G
MAY 14, 1942	61.91G	JULY 23	62.20G	JAN. 17, 1951	70.8 G	AUG. 29	83.10G
NOV. 25	64.62G	AUG. 8	62.30G	FEB. 15	71.1 G	OCT. 2	83.39G
MAY 19, 1943	55.46G	SEP. 8	62.50G	MAR. 21	71.1 G	JAN. 8, 1958	83.33G
DEC. 30	59.48G	OCT. 10	62.80G	APR. 19	71.2 G	FEB. 7	83.10G
APR. 26, 1944	54.46	NOV. 17	63.13	MAY 10	71.28	MAR. 5	83.15G
JAN. 2, 1945	57.85	DEC. 10	63.30G	JUNE 15	71.5 G	MAR. 26	83.24
MAY 10	55.70	FEB. 18, 1948	63.8 G	JULY 19	74.8 G	MAY 1	83.81G
NOV. 15	58.04	MAR. 12	64.0 G	SEP. 14	72.5 G	JUNE 4	82.80G
MAY 2, 1946	58.40	APR. 16	64.4 G	OCT. 17	73.0 G	JULY 2	82.52G
JULY 22	59.30G	MAY 19	64.57	NOV. 29	73.02	AUG. 6	82.69G
JULY 30	59.30G	JUNE 15	65.0 G	DEC. 14	72.9 G	SEP. 5	82.77G
AUG. 5	59.30G	JULY 14	65.7 G	JAN. 23, 1952	73.0 G	OCT. 1	82.68G
AUG. 12	59.40G	AUG. 11	65.7 G	FEB. 15	73.1 G	NOV. 5	82.71G
AUG. 27	59.50G	SEP. 15	65.9 G	MAR. 14	73.3 G	DEC. 3	82.12
SEP. 4	59.60G	OCT. 14	65.8	APR. 10	73.4 G	JAN. 1, 1959	82.00G
SEP. 9	59.60G	NOV. 23	66.05	JUNE 5	73.00	FEB. 5	82.08G
SEP. 17	59.80G	DEC. 23	65.6 G	JUNE 16	73.1 G	MAR. 5	82.33G
SEP. 25	59.90G	FEB. 18, 1949	66.7 G	NOV. 26	73.70	APR. 2	82.58G



DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 4, 1959	81.81G	NOV. 3, 1960	85.37G	SEP. 2, 1964	92.91	MAR. 23, 1967	96.80
JULY 1	83.16G	DEC. 1	85.50G	OCT. 7	93.04	MAY 23	97.20
AUG. 3	83.37G	JAN. 13, 1961	85.50G	OCT. 14	93.15	JUNE 27	97.41
SEP. 1	83.66G	FEB. 2	85.60G	NOV. 6	92.98	SEP. 27	97.55
OCT. 1	83.84G	MAR. 7	84.12	DEC. 1	92.74	OCT. 24	97.70
NOV. 3	83.90G	OCT. 26	88.23	JAN. 7, 1965	92.46	MAR. 11, 1968	97.74
DEC. 1	82.93G	MAR. 13, 1962	88.28	FEB. 4	92.98	JUNE 18	98.66
JAN. 4, 1960	83.80G	DEC. 11	89.76	MAR. 1	92.80	OCT. 22	99.49
FEB. 1	83.88G	MAR. 13, 1963	90.33	MAR. 10	92.91	APR. 8, 1969	97.34
MAR. 2	84.66G	OCT. 30	90.75	APR. 7	93.29	JULY 15	95.86
MAY 2	84.02G	MAR. 8, 1964	91.16	MAY 5	93.49	OCT. 29	96.12
MAY 31	85.35G	APR. 8	91.70	OCT. 21	94.80	MAR. 18, 1970	96.37
JULY 6	85.73G	MAY 5	91.94	MAR. 16, 1966	94.96	APR. 15	96.99
AUG. 3	86.00G	JUNE 2	91.55	OCT. 19	96.61	JULY 14	97.48
AUG. 31	86.20G	JULY 8	92.44	FEB. 24, 1967	96.25	OCT. 19	97.70
OCT. 6	85.90G	AUG. 4	92.70	MAR. 15	95.72	APR. 21, 1971	98.35
OCT. 27	85.74						

9N/1E-14G1 S. PERFORATED 148-166, 200-246, 253-384, 400-486 FT; BACKFILLED TO 478 FT; DEPTH 478 FT IN 1957.

LSD 1945 FT ABOVE MSL.

HIGHEST WATER LEVEL 88.00 BELOW LSD, AUG. 14, 1957,

LOWEST WATER LEVEL 88.00 BELOW LSD, AUG. 14, 1957.

RECORDS AVAILABLE: 1957, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 14, 1957	88. G	OCT. 27, 1960	108.8 A				

9N/1E-14M1 S. DEPTH 330 FT IN 1952, 385 FT IN 1960. NO RECORD OF DEEPENING.

LSD 1960 FT ABOVE MSL.

HIGHEST WATER LEVEL 75.00 BELOW LSD, MAR. 27, 1952,

LOWEST WATER LEVEL 75.00 BELOW LSD, MAR. 27, 1952.

RECORDS AVAILABLE: 1951-52, 1955, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 15, 1951	101.8 A	MAR. 27, 1952	75. G	SEP. 20, 1955	109.2 A	OCT. 28, 1960	9.70A

9N/1E-15K1 S. PERFORATED 60-390 FT, DEPTH 390 FT IN 1952.

LSD 1960 FT ABOVE MSL.

HIGHEST WATER LEVEL 96.50 BELOW LSD, MAR. 9, 1955,

LOWEST WATER LEVEL 101.50 BELOW LSD, MAY 9, 1956.

RECORDS AVAILABLE: 1952-53, 1955-56.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 31, 1952	103. A	MAR. 9, 1955	96.5 G	SEP. 20, 1955	117.5 A	MAY 9, 1956	101.5 G
NOV. 5, 1953	105.5 A						

9N/1E-15N1 S. RECORDS IN 1951-52, 55 FURNISHED BY CALIFORNIA DEPARTMENT OF WATER RESOURCES. PERFORATED 93-134 FT; DEPTH 134 FT IN 1946.

LSD 1970 FT ABOVE MSL.

HIGHEST WATER LEVEL 90.20 BELOW LSD, AUG. 1, 1951,

LOWEST WATER LEVEL 150.40 BELOW LSD, MAY 19, 1955.

RECORDS AVAILABLE: 1951-52, 1955.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 1, 1951	90.2 G	DEC. 18, 1951	95. G	MAR. 28, 1952	97.1 G	MAY 19, 1955	150.4 G



9N/1E-15N2 S. PERFORATED 50-504 FT; DEPTH 504 FT IN 1952.  
 LSD 1970 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 96.50 BELOW LSD, , 1953,  
 LOWEST WATER LEVEL 96.50 BELOW LSD, , 1953.  
 RECORDS AVAILABLE: 1953.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
, 1953	96.5 G						

9N/1E-16Z1 S. RECORDS IN 1917-20, 27, 30 FURNISHED BY CALIFORNIA DEPARTMENT OF PUBLIC WORKS.  
 DEPTH 100 FT IN 1919, 68.5 FT IN 1927, 57.5 FT IN 1930.  
 LSD 1991 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 51.70 BELOW LSD, SEP. 13, 1917,  
 DRY, WATER LEVEL NOT MEASUREABLE, FEB. 16, 1927, MAY 29, 1930.  
 RECORDS AVAILABLE: 1917-20, 1927, 1930, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 13, 1917	51.7 G	OCT. 23, 1919	82.5 G	JAN. 22, 1920	85.0 G	MAY 29, 1930	F
FEB. 16, 1918	72.7 G	DEC. 10	86.5 G	FEB. 16, 1927	F	NOV. 3, 1960	P

9N/1E-17H1 S. PERFORATED 70-135 FT; DEPTH 135 FT IN 1957.  
 LSD 1980 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 93.42 BELOW LSD, NOV. 2, 1960.  
 LOWEST WATER LEVEL 96.50 BELOW LSD, JUNE 9, 1961.  
 RECORDS AVAILABLE: 1960-61.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1960	93.42	JUNE 9, 1961	96.5 G				

9N/1E-18Q1 S. 2 FOOT WELL POINT SET AT 101 FT IN 1972.  
 LSD 1982.61 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 55.00 BELOW LSD, FEB. 18, 1972,  
 LOWEST WATER LEVEL 60.48 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1972.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1972	55.0	APR. 18, 1972	57.50	JUNE 20, 1972	58.60	AUG. 16, 1972	59.85
MAR. 22	56.0	MAY 15	58.02	JULY 20	58.72	SEP. 12	60.48

9N/1E-19J1 S. PERFORATED 415-660 FT; CEMENT PLUG AT 343 FT; DEPTH 343 FT IN MAY 1966.  
 LSD 2144 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 102.00 BELOW LSD, MAY 10, 1966,  
 LOWEST WATER LEVEL 137.37 BELOW LSD, MAY 26, 1966.  
 RECORDS AVAILABLE: 1966.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 9, 1966	107.	MAY 17, 1966	124.90	MAY 26, 1966	137.37	JULY 6, 1966	178.89A
MAY 10	102.	MAY 19	125.19	JUNE 23	171.02A	JULY 7	181.19A
MAY 12	133.2	MAY 20	124.95	JUNE 28	178.24A		



9N/1E-19J3 S. 2 FOOT WELL POINT SET AT 252 FT IN 1966.  
 LSD 2144 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 172.76 BELOW LSD, JUNE 7, 1966.  
 LOWEST WATER LEVEL 183.34 BELOW LSD, JULY 7, 1966.  
 RECORDS AVAILABLE: 1966.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 7, 1966	172.76	JULY 7, 1966	183.34	JULY 15, 1966	194.16A	JULY 20, 1966	180.
JUNE 23	176.48	JULY 14	177.40	JULY 19	178.48	AUG. 10	176.90
JUNE 28	180.38						

9N/1E-19J5 S. PERFORATED 180-255 FT; CEMENT PLUG AT 343 FT; DEPTH 255 FT IN JULY 1966.  
 LSD 2144 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 176.64 BELOW LSD, MAR. 21, 1967.  
 LOWEST WATER LEVEL 193.62 BELOW LSD, APR. 21, 1971.  
 RECORDS AVAILABLE: 1966-71.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 14, 1966	180.	AUG. 10, 1966	179.91	APR. 8, 1969	185.04	MAR. 18, 1970	189.67
JULY 15	215.5 A	MAR. 21, 1967	176.64	JULY 15	187.47	APR. 21, 1971	193.62
JULY 19	179.44	MAR. 12, 1968	180.52				

9N/1E20A1 S. RECORDS FURNISHED BY CALIFORNIA DEPARTMENT OF WATER RESOURCES. DEPTH 311 FT IN 1960; 200 FT IN 1962.  
 LSD 2040 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 131.80 BELOW LSD, APR. 10, 1952.  
 LOWEST WATER LEVEL 144.90 BELOW LSD, NOV. 30, 1960.  
 RECORDS AVAILABLE: 1952, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 10, 1952	131.8 G	NOV. 30, 1960	144.9				

9N/1E-20B1 S. RECORDS IN 1942, 51-52 FURNISHED BY CALIFORNIA DEPARTMENT OF WATER RESOURCES.  
 DEPTH 242 FT IN 1960.  
 LSD 2045 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 90.00 BELOW LSD, , 1942.  
 LOWEST WATER LEVEL 177.30 BELOW LSD, MAR. 28, 1952.  
 RECORDS AVAILABLE: 1942, 1951-52, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
, 1942	90.	AUG. 1, 1951	100.	MAR. 28, 1952	177.3	, 1960	170. G

9N/1E-20R1 S. PERFORATED 350-450 FT; DEPTH 450 WHEN DRILLED.  
 LSD 2210 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 278.00 BELOW LSD, JAN. 23, 1964.  
 LOWEST WATER LEVEL 337.32 BELOW LSD, JUNE 27, 1967.  
 RECORDS AVAILABLE: 1964-65, 1967-71.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 23, 1964	278. G	JUNE 27, 1967	337.32B	APR. 9, 1969	292.77	APR. 21, 1971	324.21B
AUG. 26, 1965	300. G	MAR. 12, 1968	293.35	MAR. 18, 1970	324.5		



9N/1E21F1 S. PERFORATED 270-300 FT; DEPTH 300 FT IN 1931.  
 LSD 2065 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 175.30 BELOW LSD, OCT. 1, 1948,  
 LOWEST WATER LEVEL 280.00 BELOW LSD, NOV. 12, 1958.  
 RECORDS AVAILABLE: 1948, 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1948	175.3 G	NOV. 3, 1958	204.8 A	NOV. 12	280. G		

9N/1E21H1 S. PERFORATED 148-398 FT; DEPTH 398 FT IN 1957.  
 LSD 2000 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 124.76 BELOW LSD, NOV. 3, 1960.  
 LOWEST WATER LEVEL 141.55 BELOW LSD, MAR. 20, 1970.  
 RECORDS AVAILABLE: 1960, 1964, 1967-70.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 3, 1960	124.76	SEP. 27, 1967	138.10	JULY 16, 1969	139.05	MAR. 20, 1970	141.55
MAR. 12, 1964	131.17	MAR. 12, 1968	138.75	OCT. 29	139.71	APR. 21	140.19
MAR. 23, 1967	135.26	APR. 8, 1969	139.58				

9N/1E-21L1 S. PERFORATIONS UNKNOWN; DEPTH 426 FT IN 1948.  
 LSD 2075 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 182.00 BELOW LSD, MAY 28, 1948,  
 LOWEST WATER LEVEL 201.00 BELOW LSD, JAN. 16, 1960.  
 RECORDS AVAILABLE: 1948, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 28, 1948	182. G	JAN. 16, 1960	201. G				

9N/1E-22B2 S. PERFORATED 120-150 FT, 168-253 FT; DEPTH 253 FT IN 1955.  
 LSD 1965 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 100.50 BELOW LSD, SEP. 14, 1955,  
 LOWEST WATER LEVEL 104.83 BELOW LSD, NOV. 30, 1960.  
 RECORDS AVAILABLE: 1955, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 14, 1955	100.5 G	NOV. 30, 1960	104.83B				

9N/1E-22D1 S. REPORTED MEASUREMENTS FURNISHED BY CALIFORNIA DEPARTMENT OF PUBLIC WORKS. DEPTH 151.5 FT IN 1960.  
 LSD 1969 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 47.00 BELOW LSD, MAY 24, 1922,  
 LOWEST WATER LEVEL 92.60 BELOW LSD, NOV. 1, 1960.  
 RECORDS AVAILABLE: 1919, 1922, 1925, 1930-31, 1951-52, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 25, 1919	75.0 G	JAN. 22, 1925	74.7 G	MAY 22, 1930	73.3 G	OCT. 8, 1951	83.5 G
MAY 24, 1922	47.0 G	AUG. 13	76.0 G	APR. 22, 1931	80.9 G	APR. 10, 1952	87.5 G
SEP. 14	50.2 G	FEB. 20, 1930	70.7 G	AUG. 12	76.8 G	NOV. 1, 1960	92.60
DEC. 16	57.7 G						



9N/2E-3A2 S. DEPTH 30 FT WHEN DRILLED, DEEPENED TO 80 FT IN 1946, 65 FT IN 1960.  
 LSD 1845.36 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 13.07 BELOW LSD, MAY 1, 1946,  
 LOWEST WATER LEVEL 39.77 BELOW LSD, JAN. 13, 1960.  
 RECORDS AVAILABLE: 1931-35, 1937-49, 1951-56, 1958, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 22, 1931	20.47G	NOV. 19, 1938	19.83G	APR. 24, 1944	13.10	MAY 9, 1951	23.00
SEP. 24	22.60G	MAY 22, 1939	18.38G	JAN. 2, 1945	13.42	NOV. 28	26.14
JAN. 21, 1932	22.80A	NOV. 30	21.08G	MAY 10	18.45B	JUNE 3, 1952	25.00
APR. 27	19.15G	MAY 9, 1940	20.15G	NOV. 28	15.73	NOV. 20	27.53
JAN. 11, 1933	21.30G	DEC. 6	22.98G	MAY 1, 1946	13.07	MAY 19, 1953	27.85
JAN. 23, 1934	23.15G	JUNE 11, 1941	15.70G	JAN. 8, 1947	15.60	MAY 19, 1954	38.57G
JAN. 30, 1935	24.87G	NOV. 27	17.14G	MAY 21	15.20	NOV. 26	29.95G
DEC. 20	26.73G	MAY 14, 1942	16.14G	NOV. 17	18.60	DEC. 14, 1955	32.80G
JAN. 14, 1937	28.15G	NOV. 26	20.71G	NOV. 22, 1948	20.30	APR. 17, 1956	34.70
DEC. 9	23.45G	MAY 18, 1943	14.89G	MAY 16, 1949	18.93	DEC. 4, 1958	37.81
MAY 25, 1938	17.14G	DEC. 29	15.88G	NOV. 16	22.56	JAN. 13, 1960	39.77

9N/2E-3C1 S. PERFORATED 29-60 FT; DEPTH 60 FT IN 1950.  
 LSD 1870 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 9.20 BELOW LSD, MAY 13, 1950,  
 DRY, WATER LEVEL NOT MEASUREABLE, OCT. 24, 1967.  
 RECORDS AVAILABLE: 1950, 1960, 1967.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 13, 1950	9.2 G	JAN. 13, 1960	17.52	OCT. 24, 1967	F		

9N/2E-3G1 S. DEPTH 43.3 FT IN 1960.  
 LSD 1850 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 8.20 BELOW LSD, JAN. 13, 1960,  
 LOWEST WATER LEVEL 8.20 BELOW LSD, JAN. 13, 1960.  
 RECORDS AVAILABLE: 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 13, 1960	8.2						

9N/2E-3K1 S. RECORDS IN 1930-33 FURNISHED BY CALIFORNIA DEPARTMENT OF PUBLIC WORKS; 1946-56, 58, 60, 64 FURNISHED BY U.S. BUREAU OF RECLAMATION, SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT AND U.S. GEOLOGICAL SURVEY. DEPTH 53 FT IN 1900, 19 FT IN 1960.  
 LSD 1857.01 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 2.60 BELOW LSD, JAN. 22, 1947, FEB. 6, 1947, FEB. 20, 1947, MAR. 4, 1947,  
 LOWEST WATER LEVEL 14.05 BELOW LSD, MAR. 10, 1964.  
 RECORDS AVAILABLE: 1919, 1930-33, 1946-56, 1958, 1960, 1964.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
, 1919	5.0 G	SEP. 4, 1946	4.5	DEC. 4, 1946	3.3	JUNE 10, 1947	4.3
FEB. 20, 1930	4.2	SEP. 11	4.4	DEC. 19	2.8	JUNE 26	4.4
MAY 23	5.0	SEP. 17	4.5	JAN. 2, 1947	2.9	JULY 9	4.7
JAN. 22, 1931	4.6	SEP. 25	4.3	JAN. 22	2.6	JULY 23	4.9
SEP. 24	6.6	OCT. 7	4.0	FEB. 6, 1947	2.6	AUG. 8	5.0
APR. 27, 1932	4.9	OCT. 14	3.9	FEB. 20	2.6	SEP. 9	4.6
JAN. 11, 1933	5.1	OCT. 23	3.7	MAR. 4	2.6	NOV. 17	3.6
MAY 5, 1946	4.2	OCT. 30	3.7	MAR. 27	2.8	DEC. 10	3.1
JULY 22	4.1	NOV. 4	3.4	APR. 10	3.1	FEB. 18, 1948	2.8
JULY 30	4.2	NOV. 12	3.3	APR. 30	3.2	MAR. 12	2.8
AUG. 12	4.8	NOV. 20	3.2	MAY 16	3.4	APR. 16	2.9
AUG. 28	4.9	NOV. 27	3.0	MAY 27	3.6	MAY 18	3.4



DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 15, 1948	4.0	OCT. 20, 1949	5.0	MAR. 21, 1951	3.9	DEC. 17, 1952	6.0
JULY 14	5.1	NOV. 16	4.7	APR. 19	4.1	JAN. 23, 1953	5.2
AUG. 11	4.9	DEC. 15	4.1	MAY 9	4.4	FEB. 19	5.0
SEP. 15	5.4	JAN. 25, 1950	3.1	JULY 19	5.8	MAR. 19	5.0
OCT. 14	4.5	FEB. 16	3.4	AUG. 16	6.2	APR. 17	5.2
NOV. 22	3.9	MAR. 16	3.4	SEP. 14	6.8	MAY 19	5.57
DEC. 10	3.5	APR. 20	3.9	OCT. 17	5.8	NOV. 17	8.41
JAN. 18, 1949	3.1	MAY 3	3.8	DEC. 14	5.1	MAY 19, 1954	6.4
FEB. 18	3.0	JUNE 16	4.8	JAN. 23, 1952	4.2	NOV. 26	7.55
MAR. 17	3.0	AUG. 16	5.6	FEB. 15	4.2	APR. 18, 1955	6.65
APR. 15	3.1	SEP. 15	5.7	MAR. 14	3.0	DEC. 14	7.90
MAY 16	3.7	OCT. 18	5.6	JUNE 18	6.8	APR. 17, 1956	7.19
JUNE 17	4.4	NOV. 1	5.5	JULY 17	6.4	DEC. 4, 1958	9.42
JULY 15	4.8	DEC. 14	4.6	SEP. 19	6.8	JAN. 13, 1960	9.84
AUG. 19	5.2	JAN. 17, 1951	4.2	OCT. 17	6.6	MAR. 10, 1964	14.05
SEP. 16	5.5	FEB. 15	4.0				

## 9N/2E-3K2 S. DEPTH 108 FT IN 1960.

LSD 1860 FT ABOVE MSL.

HIGHEST WATER LEVEL 10.30 BELOW LSD, JAN. 13, 1960,

LOWEST WATER LEVEL 15.45 BELOW LSD, MAR. 10, 1964.

RECORDS AVAILABLE: 1960, 1964.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 13, 1960	10.3 G	MAR. 10, 1964	15.45				

## 9N/2E-3Z1 S.

LSD 1870 FT ABOVE MSL.

HIGHEST WATER LEVEL 3.60 BELOW LSD, JAN. 22, 1920,

LOWEST WATER LEVEL 4.00 BELOW LSD, NOV. 5, 1919.

RECORDS AVAILABLE: 1919, 1920, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1919	4.0 G	JAN. 22, 1920	3.6 G	DEC. 1, 1960	P		

## 9N/2E-6D1 S. REPORTED MEASUREMENTS FURNISHED BY OWNER. PERFORATED 108-125, 132-142, 144-147, 148-150 FT; DEPTH 150 FT IN 1938.

LSD 1925 FT ABOVE MSL.

HIGHEST WATER LEVEL 47.20 BELOW LSD, OCT. 11, 1950,

LOWEST WATER LEVEL 66.98 BELOW LSD, OCT. 17, 1962.

RECORDS AVAILABLE: 1950-53, 1955, 1957-60, 1962, 1964.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 11, 1950	47.2 G	FEB. 26, 1952	49.6 G	MAY 4, 1955	54.9 G	OCT. 25, 1959	61.1 G
MAR. 25, 1951	47.9 G	APR. 22	49.8 G	AUG. 28	55.7 G	OCT. 14, 1960	62.2 A
APR. 25	47.8 G	OCT. 13	50.2 G	OCT. 8, 1957	58.8 G	OCT. 17, 1962	66.98
SEP. 28	49.0 G	JULY 1, 1953	51.5 G	APR. 12, 1958	59.5 G	MAR. 11, 1964	64.61



9N/2E-6D2 S. DEPTH 94 FT IN 1961.  
 LSD 1925 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 62.27 BELOW LSD, OCT. 17, 1962,  
 LOWEST WATER LEVEL 62.27 BELOW LSD, OCT. 17, 1962.  
 RECORDS AVAILABLE: 1962.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 17, 1962	62.27						

9N/2E-6D3 S. DEPTH 93 FT IN 1961.  
 LSD 1925 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 40.00 BELOW LSD, JAN. 12, 1959,  
 LOWEST WATER LEVEL 62.80 BELOW LSD, DEC. 15, 1961.  
 RECORDS AVAILABLE: 1959, 1961.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 12, 1959	40. G	DEC. 15, 1961	62.8				

9N/2E-8K1 S. DEPTH 171 FT IN 1918, 45.0 FT IN 1960.  
 LSD 1915 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 33.00 BELOW LSD, , 1919,  
 DRY, WATER LEVEL NOT MEASUREABLE, DEC. 7, 1960.  
 RECORDS AVAILABLE: 1919, 1960..

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
, 1919	33. G	DEC. 7, 1960	F				

9N/2E-8N2 S. PERFORATED 72-295 FT; DEPTH 295 FT IN 1948.  
 LSD 1920 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 47.00 BELOW LSD, , 1948,  
 LOWEST WATER LEVEL 49.10 BELOW LSD, APR. 11, 1952.  
 RECORDS AVAILABLE: 1948, 1952.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
, 1948	47. G	APR. 11, 1952	49.1 G				

9N/2E-10D2 S. DEPTH 110 FT IN 1960.  
 LSD 1890 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 50.00 BELOW LSD, DEC. 9, 1960,  
 LOWEST WATER LEVEL 50.00 BELOW LSD, DEC. 9, 1960.  
 RECORDS AVAILABLE: 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1960	50. G						



9N/2E-10G1 S. DEPTH 23.0 FT IN 1960.  
 LSD 1880 FT ABOVE MSL.  
 DRY, WATER LEVEL NOT MEASUREABLE, DEC. 7, 1960.  
 RECORDS AVAILABLE: 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1960	F						

9N/2E-11H1 S. DEPTH 140 FT.  
 LSD 1865 FT ABOVE MSL.  
 HIGHEST WATER LEVEL FLOWING, OCT. 30, 1919, MAY , 1922, SEP. 13, 1925, MAR. 6, 1927,  
 LOWEST WATER LEVEL 31.88 BELOW LSD, APR. 21, 1971.  
 RECORDS AVAILABLE: 1919, 1922, 1925, 1927, 1930-32, 1960, 1964, 1967-71.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1919	Q	JAN. 22, 1931	3.8 G	JAN. 12, 1960	17.50	MAR. 14, 1968	27.60A
MAY , 1922	Q	AUG. 26	3.8 G	MAR. 11, 1964	23.39	APR. 9, 1969	27.81A
SEP. 13, 1925	Q	JAN. 21, 1932	4.0 G	MAR. 24, 1967	26.78A	MAR. 15, 1970	30.5 B
MAR. 6, 1927	Q	FEB. 26	4.0 G	SEP. 27	27.89A	APR. 21, 1971	31.88
MAY 23, 1930	3.4 G	APR. 27	3.7 G				

9N/2E-11R1 S. DEPTH 50 FT IN 1960.  
 LSD 1875 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 37.00 BELOW LSD, JUNE 23, 1961,  
 LOWEST WATER LEVEL 37.00 BELOW LSD, JUNE 23, 1961.  
 RECORDS AVAILABLE: 1961.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 23, 1961	37. G						

9N/2E-13Q1 S. PERFORATED 48-230 FT; DEPTH 230 FT IN 1953.  
 LSD 1870 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 14.60 BELOW LSD, DEC. 7, 1960,  
 LOWEST WATER LEVEL 30.00 BELOW LSD, AUG. 27, 1954.  
 RECORDS AVAILABLE: 1953-54, 1960, 1964, 1967.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 3, 1953	18.1 G	DEC. 7, 1960	14.6	MAR. 11, 1964	18.74	MAR. 22, 1967	22.22
AUG. 27, 1954	30. G						

9N/2E-14N1 S. DEPTH 95.5 FT IN 1919.  
 LSD 1888.54 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 19.52 BELOW LSD, NOV. 27, 1940,  
 LOWEST WATER LEVEL 31.40 BELOW LSD, NOV. 5, 1956.  
 RECORDS AVAILABLE: 1919, 1922, 1930, 1932-33, 1935, 1938-48, 1956.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 29, 1919	26.5 G	NOV. 26, 1941	24.08G	AUG. 5, 1946	23.0 G	JUNE 10, 1947	22.0 G
MAY 23, 1922	22.07G	MAY 14, 1942	23.41G	SEP. 4	22.0 G	AUG. 8	22.2 G
OCT. 9, 1930	24.00G	NOV. 25	23.82G	OCT. 14	23.0 G	SEP. 8	22.2 G
MAR. 17, 1932	26.20C	MAY 18, 1943	23.31G	NOV. 4	22.6 G	OCT. 10	23.0 G
JAN. 11, 1933	25.45G	DEC. 30	23.08G	DEC. 4	21.9 G	NOV. 19	22.65
DEC. 27, 1935	26.91G	APR. 25, 1944	22.67	JAN. 1, 1947	22.0 G	DEC. 10	22.6 G
NOV. 26, 1938	25.20C	JAN. 4, 1945	22.25	JAN. 9	21.69	FEB. 18, 1948	22.3 G
MAY 15, 1939	24.44C	MAY 10	21.90	FEB. 6	21.8 G	MAR. 12	22.35G
MAY 9, 1940	25.00G	NOV. 16	21.97	MAR. 4	23.6 A	MAY 19	22.85
NOV. 27	19.52G	MAY 2, 1946	21.53	APR. 10	21.9 G	NOV. 5, 1956	31.40G
JUNE 11, 1941	24.30G	JULY 22	21.8 G	MAY 16	21.9 G		



9N/2E-18E1 S. DEPTH 159 FT IN 1962.  
 LSD 1935 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 66.00 BELOW LSD, APR. 11, 1952,  
 LOWEST WATER LEVEL 80.75 BELOW LSD, DEC. 1, 1960.  
 RECORDS AVAILABLE: 1952, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 11, 1952	66. G	DEC. 1, 1960	80.75				

9N/2E-18H1 S. PERFORATED 80-302 FT; DEPTH 302 FT IN 1954.  
 LSD 1925 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 60.00 BELOW LSD, , 1954,  
 LOWEST WATER LEVEL 60.00 BELOW LSD, , 1954.  
 RECORDS AVAILABLE: 1954.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
, 1954	60. G						

9N/2E-18L1 S. DEPTH 245.5 FT IN 1960.  
 LSD 1930 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 72.80 BELOW LSD, DEC. 7, 1960,  
 LOWEST WATER LEVEL 72.80 BELOW LSD, DEC. 7, 1960.  
 RECORDS AVAILABLE: 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1960	72.80						

9N/2E-19E1 S. DEPTH 400 FT IN 1960.  
 LSD 1935 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 76.44 BELOW LSD, JAN. 12, 1964,  
 LOWEST WATER LEVEL 76.44 BELOW LSD, JAN. 12, 1964.  
 RECORDS AVAILABLE: 1964.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 12, 1964	76.44						

9N/2E-20G1 S. PERFORATED 330-488 FT; DEPTH 488 FT IN 1942.  
 LSD 1915 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 40.00 BELOW LSD, JUNE 20, 1942,  
 LOWEST WATER LEVEL 67.02 BELOW LSD, MAR. 23, 1967.  
 RECORDS AVAILABLE: 1942, 1961, 1964, 1967.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 20, 1942	40. G	JUNE 23, 1961	59.52	MAR. 6, 1964	62.59	MAR. 23, 1967	67.02

9N/2E-20K1 S. PERFORATED 242-388 FT; DEPTH 388 FT IN 1942.  
 LSD 1918 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 41.00 BELOW LSD, JUNE , 1942,  
 LOWEST WATER LEVEL 71.42 BELOW LSD, APR. 23, 1971.  
 RECORDS AVAILABLE: 1942, 1961, 1964, 1967-69, 1971.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE , 1942	41.0 G	MAR. 6, 1964	63.88	MAR. 14, 1968	69.60	APR. 23, 1971	71.42
JUNE 23, 1961	60.87	MAR. 23, 1967	68.35	APR. 10, 1969	70.09		



9N/2E-20K2 S. DEPTH 357 FT IN 1947.  
 LSD 1915 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 65.00 BELOW LSD, MAR. 6, 1964,  
 LOWEST WATER LEVEL 68.62 BELOW LSD, MAR. 23, 1967.  
 RECORDS AVAILABLE: 1964, 1967.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 6, 1964	65.00	MAR. 23, 1967	68.62				

9N/2E-20M1 S. RECORDS IN 1930-32, 34 FURNISHED BY CALIFORNIA DEPARTMENT OF PUBLIC WORKS.  
 DEPTH 500 FT IN 1919.  
 LSD 1927 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 43.86 BELOW LSD, JUNE 11, 1941,  
 LOWEST WATER LEVEL 57.25 BELOW LSD, JAN. 21, 1937.  
 RECORDS AVAILABLE: 1919, 1930-32, 1934-41, 1943.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
, 1919	45. G	OCT. 5, 1932	52.55	JUNE 3, 1937	54.40	NOV. 30, 1939	50.00
MAY 22, 1930	51.4	FEB. 14, 1934	53.98	DEC. 9	52.45	MAY 9, 1940	50.55
MAY 7, 1931	52.77	JAN. 22, 1935	54.95	MAY 26, 1938	50.10	NOV. 27	52.15
MAR. 17, 1932	53.52	JAN. 10, 1936	56.10	NOV. 26	48.86	JUNE 11, 1941	43.86
JULY 13	52.57	JAN. 21, 1937	57.25	MAY 15, 1939	49.07	MAY 18, 1943	P

9N/2E-20Q1 S. RECORDS IN 1932, 41-48, 52-57, 59 FURNISHED BY U.S. BUREAU OF RECLAMATION AND SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT. DEPTH 120 FT IN 1957, 91 FT IN 1961.  
 LSD 1921.35 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 41.81 BELOW LSD, NOV. 15, 1945,  
 LOWEST WATER LEVEL 75.45 BELOW LSD, APR. 23, 1971.  
 RECORDS AVAILABLE: 1932, 1941-48, 1952-71.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1932	47.98	DEC. 4, 1946	43.60	MAY 20, 1948	44.80	MAY 5, 1959	61.13
JUNE 11, 1941	45.26	DEC. 19	43.70	JUNE 15	47.40	NOV. 12	60.72
MAY 14, 1942	44.44	JAN. 2, 1947	42.20	JULY 14	45.20	MAR. 24, 1960	66.40A
NOV. 25	48.67	JAN. 22	48.90A	AUG. 11	45.40	MAR. 7, 1961	63.31A
MAY 18, 1943	44.13	FEB. 5	42.80	SEP. 15	50.90A	JUNE 21	70.4 A
DEC. 30	43.31	FEB. 20	41.90	OCT. 14	50.90A	DEC. 13, 1962	66.59
APR. 25, 1944	42.67	MAR. 4	42.80	NOV. 23	45.70	MAR. 13, 1963	66.82
JAN. 3, 1945	42.01	MAR. 27	43.00	DEC. 10	45.80	OCT. 30	68.25
MAY 10	41.89	APR. 10	43.20	JUNE 5, 1952	52.03	MAR. 8, 1964	68.10
NOV. 15	41.81	APR. 23	43.20	JUNE 18	52.14	OCT. 14	69.76
MAY 2, 1946	42.01	MAY 16	44.70	JULY 17	52.99	MAR. 10, 1965	69.45
AUG. 12	42.20	MAY 22	43.34	DEC. 17	51.70	OCT. 21	70.72
SEP. 4	42.30	MAY 27	43.40	FEB. 19, 1953	54.05A	MAR. 16, 1966	70.67
SEP. 9	42.30	JUNE 10	48.80	MAY 21	53.45	OCT. 19	72.12
SEP. 17	42.40	JUNE 26	44.00	MAY 18, 1954	59.00A	MAR. 23, 1967	72.19
SEP. 25	42.40	JULY 9	49.00A	NOV. 23	58.80	OCT. 24	73.63
OCT. 1	42.40	JULY 23	49.10	APR. 15, 1955	56.22	MAR. 14, 1968	73.46
OCT. 7	42.40	AUG. 8	43.70	DEC. 14	57.30	NOV. 14	74.64
OCT. 14	42.40	SEP. 8	43.80	APR. 13, 1956	57.62	APR. 10, 1969	74.19
OCT. 23	42.40	OCT. 10	43.90	DEC. 21	58.64	JULY 15	74.28
OCT. 30	42.40	NOV. 17	44.05	MAY 2, 1957	59.07	OCT. 29	73.90
NOV. 4	42.40	DEC. 10	49.60A	DEC. 4	60.08	MAR. 19, 1970	73.48
NOV. 12	42.40	FEB. 18, 1948	44.30	MAR. 26, 1958	60.13	NOV. 11	75.00
NOV. 20	42.40	MAR. 12	50.20A	DEC. 3	60.68	APR. 23, 1971	75.45
NOV. 27	42.70	APR. 16	44.60A				



9N/2E-22N1 S. DEPTH 156 FT IN 1919, 132.8 FT IN 1961.  
 LSD 1895 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 35.00 BELOW LSD, OCT. 28, 1919,  
 LOWEST WATER LEVEL 48.96 BELOW LSD, JUNE 20, 1961.  
 RECORDS AVAILABLE: 1919, 1952, 1961.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 28, 1919	35.0 G	APR. 11, 1952	38.9 G	JUNE 20, 1961	48.96		

9N/2E-24D1 S. DEPTH 200 FT IN 1952.  
 LSD 1870 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 15.80 BELOW LSD, APR. 11, 1952,  
 LOWEST WATER LEVEL 34.12 BELOW LSD, MAR. 19, 1970.  
 RECORDS AVAILABLE: 1952, 1964, 1967-71.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 11, 1952	15.8 G	MAR. 22, 1967	29.64	MAR. 14, 1968	30.95	MAR. 19, 1970	34.12
NOV. 22, 1962	24.92	SEP. 27	33.60	APR. 9, 1969	31.42	APR. 21, 1971	33.63
MAR. 11, 1964	26.45						

9N/2E-25M1 S. PERFORATED 0-160 FT; DEPTH 160 FT IN 1953.  
 LSD 1880 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 27.00 BELOW LSD, MAY 2, 1953,  
 LOWEST WATER LEVEL 28.00 BELOW LSD, JUNE , 1953.  
 RECORDS AVAILABLE: 1953.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 2, 1953	27.0 G	JUNE	28. G				

9N/2E-25M2 S. DEPTH 160 FT IN 1960.  
 LSD 1880 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 35.00 BELOW LSD, JUNE 22, 1961,  
 LOWEST WATER LEVEL 35.00 BELOW LSD, JUNE 22, 1961.  
 RECORDS AVAILABLE: 1961.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 22, 1961	35.0 B						

9N/2E-26D1 S. RECORDS IN 1919, 30-31 FURNISHED BY CALIFORNIA DEPARTMENT OF PUBLIC WORKS.  
 DEPTH 300 FT IN 1919.  
 LSD 1890 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 20.60 BELOW LSD, OCT. 30, 1919,  
 LOWEST WATER LEVEL 24.20 BELOW LSD, JAN. 22, 1931.  
 RECORDS AVAILABLE: 1919, 1930-31, 1962.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1919	20.6 G	MAY 8, 1930	23.8 G	JAN. 22, 1931	24.2	DEC. 12, 1962	22.95



9N/2E-26E2 S. RECORDS IN 1948-54 FURNISHED BY SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT.  
 DEPTH 165 FT IN 1948.  
 LSD 1890 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 21.60 BELOW LSD, APR. 16, 1948,  
 LOWEST WATER LEVEL 38.50 BELOW LSD, DEC. 12, 1962.  
 RECORDS AVAILABLE: 1948-54, 1958, 1962, 19 .

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 16, 1948	21.6	APR. 15, 1949	22.3	SEP. 15, 1950	26.6	APR. 11, 1952	28.6
JUNE 15	21.8	JUNE 17	23.4	OCT. 18	25.3	JUNE 18	30.8
JULY 14	21.8	JULY 15	23.6	JAN. 17, 1951	25.3	DEC. 17	26.7
AUG. 11	21.9	AUG. 19	23.7	MAR. 21	26.1	JAN. 22, 1953	26.5
SEP. 15	22.6	SEP. 16	23.6	APR. 19	27.4	NOV. 16	34.5
OCT. 14	21.9	OCT. 20	23.1	JULY 19	28.1	NOV. 23, 1954	33.90
DEC. 10	22.1	DEC. 14	23.1	AUG. 16	28.4	DEC. 3, 1958	35.23
FEB. 18, 1949	22.2	JAN. 25, 1950	23.4	OCT. 17	31.1	DEC. 12, 1962	38.5 G
MAR. 17	22.8	JUNE 16	24.5	JAN. 23, 1952	25.4		

9N/2E-27D1 S. RECORDS IN 1922, 30-32 FURNISHED BY CALIFORNIA DEPARTMENT OF PUBLIC WORKS.  
 DEPTH 174 FT IN 1919, 110 FT IN 1961.  
 LSD 1905 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 24.20 BELOW LSD, OCT. 25, 1919,  
 LOWEST WATER LEVEL 32.10 BELOW LSD, APR. 21, 1932.  
 RECORDS AVAILABLE: 1919, 1922, 1930-32.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 25, 1919	24.2 G	DEC. 16, 1922	25.5	MAY 22, 1930	30.1	MAY 7, 1931	31.7
MAY 23, 1922	26.6	FEB. 20, 1930	29.9	JAN. 22, 1931	31.3	APR. 21, 1932	32.1
SEP. 12	25.5						

9N/2E-27L3 S. DEPTH 85 FT IN 1949.  
 LSD 1900 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 54.00 BELOW LSD, AUG. 9, 1961,  
 LOWEST WATER LEVEL 59.50 BELOW LSD, MAR. 14, 1968.  
 RECORDS AVAILABLE: 1961, 1964, 1967, 1968.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 9, 1961	54.00	MAR. 12, 1964	58.27	MAR. 23, 1967	58.43	MAR. 14, 1968	59.5

10N/1E-22C1 S. DEPTH 500 FT IN 1959.  
 LSD 2320 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 326.15 BELOW LSD, MAR. 5, 1964,  
 LOWEST WATER LEVEL 332.00 BELOW LSD, NOV. 13, 1962.  
 RECORDS AVAILABLE: 1959, 1962, 1964.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 11, 1959	326.5 A	NOV. 13, 1962	332.00	MAR. 5, 1964	326.15		

10N/1E-35P4 S. DEPTH 407 FT WHEN DRILLED, 70 FT IN 1961.  
 LSD 1945 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 60.00 BELOW LSD, , 1919,  
 DRY, WATER LEVEL NOT MEASUREABLE, AUG. 30, 1961.  
 RECORDS AVAILABLE: 1919, 1961.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
, 1919	60. G	AUG. 30, 1961	F				



10N/2E-31R1 S.  
 LSD 1920 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 57.52 BELOW LSD, JUNE 25, 1959.  
 LOWEST WATER LEVEL 57.52 BELOW LSD, JUNE 25, 1959.  
 RECORDS AVAILABLE: 1959.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 25, 1959	57.52						

10N/2E-35K1 S. DEPTH 36 FT IN 1964.  
 LSD 1850 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 39.00 BELOW LSD, SEP. 16, 1960.  
 DRY, WATER LEVEL NOT MEASUREABLE, MAR. 10, 1964.  
 RECORDS AVAILABLE: 1960, 1964.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 16, 1960	39. G	MAR. 10, 1964	F				

9N/1W-3M1 S.  
 LSD 2060 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 28.52 BELOW LSD, JUNE 10, 1958.  
 LOWEST WATER LEVEL 28.52 BELOW LSD, JUNE 10, 1958.  
 RECORDS AVAILABLE: 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 10, 1958	28.52						

9N/1W-3N1 S. DEPTH 25 FT IN 1958.  
 LSD 2045 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 8.01 BELOW LSD, JUNE 11, 1958.  
 LOWEST WATER LEVEL 8.01 BELOW LSD, JUNE 11, 1958.  
 RECORDS AVAILABLE: 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 11, 1958	8.01						

9N/1W-3P1 S. DEPTH 40 FT IN 1960.  
 LSD 2040 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 8.95 BELOW LSD, NOV. 6, 1958.  
 LOWEST WATER LEVEL 15.00 BELOW LSD, SEP. 22, 1960.  
 RECORDS AVAILABLE: 1958, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1958	8.95	SEP. 22, 1960	15.00				

9N/1W-4C1 S. PERFORATED 10-90 FT; DEPTH 90 FT IN 1946.  
 LSD 2065 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 12.67 BELOW LSD, JUNE 10, 1958.  
 LOWEST WATER LEVEL 15.29 BELOW LSD, SEP. 21, 1960.  
 RECORDS AVAILABLE: 1958, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 10, 1958	12.67	SEP. 21, 1960	15.29				



9N/1W-4G1 S. DEPTH 115 FT IN 1958.  
 LSD 2060 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 8.55 BELOW LSD, JUNE 10, 1958,  
 LOWEST WATER LEVEL 8.55 BELOW LSD, JUNE 10, 1958.  
 RECORDS AVAILABLE: 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 10, 1958	8.55						

9N/1W-4J1 S. DEPTH 81 FT IN 1958.  
 LSD 2060 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 9.55 BELOW LSD, JUNE 12, 1958,  
 LOWEST WATER LEVEL 18.00 BELOW LSD, SEP. 22, 1960.  
 RECORDS AVAILABLE: 1958, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 12, 1958	9.55	SEP. 22, 1960	18.0				

9N/1W-4K1 S. 2 FOOT WELL POINT SET AT 101 FT IN 1972.  
 LSD 2053 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 14.21 BELOW LSD, FEB. 7, 1972,  
 LOWEST WATER LEVEL 18.47 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1972.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 7, 1972	14.21	APR. 18, 1972	15.53	JUNE 20, 1972	16.47	AUG. 16, 1972	17.91
FEB. 16	14.27	MAY 15	15.95	JULY 20	17.62	SEP. 12	18.47
MAR. 22	14.90						

9N/1W-4K2 S. 2 FOOT WELL POINT SET AT 57 FT IN 1972.  
 LSD 2053 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 13.85 BELOW LSD, FEB. 7, 1972,  
 LOWEST WATER LEVEL 18.13 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1972.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 7, 1972	13.85	APR. 18, 1972	15.20	JUNE 20, 1972	16.57	AUG. 16, 1972	17.59
FEB. 16	13.98	MAY 15	15.62	JULY 20	17.28	SEP. 12	18.13
MAR. 22	14.60						

9N/1W-4M1 S. 2 FOOT WELL POINT SET AT 84.5 FT IN 1971.  
 LSD 2056 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 16.00 BELOW LSD, AUG. 30, 1971, SEP. 15, 1971,  
 LOWEST WATER LEVEL 20.28 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 30, 1971	16.0	DEC. 17, 1971	16.58	APR. 18, 1972	17.61	JULY 20, 1972	19.50
SEP. 15	16.0	JAN. 19, 1972	16.26	MAY 15	17.90	AUG. 16	19.88
OCT. 18	16.6	FEB. 16	16.45	JUNE 20	18.80	SEP. 12	20.28
NOV. 18	16.50	MAR. 22	17.02				



9N/1W-4M2 S. 2-FOOT WELL POINT SET AT 57.5 FT IN 1971.  
 LSD 2056 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 16.15 BELOW LSD, AUG. 30, 1971,  
 LOWEST WATER LEVEL 20.48 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 30, 1971	16.15	DEC. 17, 1971	16.75	APR. 18, 1972	17.77	JULY 20, 1972	19.66
SEP. 15	16.3	JAN. 19, 1972	16.43	MAY 15	18.08	AUG. 16	20.05
OCT. 18	16.9	FEB. 16	16.62	JUNE 20	18.98	SEP. 12	20.48
NOV. 18	16.50	MAR. 22	17.20				

9N/1W-4M3 S. 2 FOOT WELL POINT SET AT 33.5 FT IN 1971.  
 LSD 2056 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 15.70 BELOW LSD, AUG. 30, 1971, SEP. 15, 1971,  
 LOWEST WATER LEVEL 20.07 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 30, 1971	15.7	DEC. 18, 1971	16.63	APR. 18, 1972	17.28	JULY 20, 1972	18.93
SEP. 15	15.7	JAN. 19, 1972	16.27	MAY 15	17.75	AUG. 16	19.57
OCT. 18	16.5	FEB. 16	16.44	JUNE 20	18.35	SEP. 12	20.07
NOV. 18	16.51	MAR. 22	16.88				

9N/1W-5D1 S. DEPTH 60 FT IN 1958.  
 LSD 2115 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 24.01 BELOW LSD, JUNE 19, 1958,  
 LOWEST WATER LEVEL 46.36 BELOW LSD, OCT. 19, 1965.  
 RECORDS AVAILABLE: 1958-66.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 19, 1958	24.01	MAR. 9, 1961	29.48	MAR. 12, 1963	36.70	MAR. 10, 1965	43.68
DEC. 1, 1959	27.90	OCT. 27	33.64	OCT. 29	38.62	OCT. 19	46.36
MAR. 2, 1960	27.18	MAR. 15, 1962	32.29	MAR. 8, 1964	39.10	MAR. 14, 1966	42.26
NOV. 16	27.91	NOV. 2	36.05	OCT. 14	42.69	OCT. 17	P

9N/1W-5J1 S. PERFORATED 32-37, 49-57, 72-75, 79-81, 84-86, 89-92 FT; DEPTH 92 FT IN 1951.  
 LSD 2080 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 23.36 BELOW LSD, OCT. 21, 1971,  
 LOWEST WATER LEVEL 29.17 BELOW LSD, JUNE 11, 1958.  
 RECORDS AVAILABLE: 1951, 1958, 1971.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 16, 1951	25. G	JUNE 11, 1958	29.17	OCT. 21, 1971	23.36		

9N/1W-5J3 S. PERFORATED 40-222 FT; DEPTH 222 FT IN 1955.  
 LSD 2060 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 11.86 BELOW LSD, SEP. 23, 1960,  
 LOWEST WATER LEVEL 17.00 BELOW LSD, FEB. , 1956.  
 RECORDS AVAILABLE: 1956, 1958, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 19, 1955	15.75G	FEB. , 1956	17. G	JUNE 11, 1958	26.42A	SEP. 23, 1960	11.86



9N/1W-5J4 S. PERFORATED 18-40 FT; OPEN HOLE 45-102 FT; DEPTH 102 FT IN 1952.  
 LSD 2065 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 5.00 BELOW LSD, JUNE 18, 1952.  
 LOWEST WATER LEVEL 18.98 BELOW LSD, OCT. 21, 1971.  
 RECORDS AVAILABLE: 1952, 1958, 1971.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 18, 1952	5. G	JUNE 11, 1958	8.45	OCT. 21, 1971	18.98		

9N/1W-5R1 S. DEPTH 82 FT IN 1960.  
 LSD 2080 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 33.10 BELOW LSD, OCT. 5, 1960.  
 LOWEST WATER LEVEL 33.10 BELOW LSD, OCT. 5, 1960.  
 RECORDS AVAILABLE: 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1960	33.10						

9N/1W-6B1 S. RECORDS IN 1930-34 FURNISHED BY CALIFORNIA DEPARTMENT OF PUBLIC WORKS. DEPTH 77 FT WHEN DRILLED.  
 LSD 2094.50 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 5.43 BELOW LSD, MAY 27, 1938.  
 LOWEST WATER LEVEL 10.70 BELOW LSD, SEP. 19, 1930.  
 RECORDS AVAILABLE: 1919, 1930-32, 1934-43.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
, 1919	6. G	APR. 27, 1932	6.95C	MAR. 12, 1936	8.45G	MAY 9, 1940	6.71G
SEP. 19, 1930	10.70G	MAY 10	7.28C	JAN. 14, 1937	9.44G	NOV. 26	8.18G
DEC. 19	9.35C	AUG. 8	8.05G	JUNE 22	6.33C	JUNE 10, 1941	5.51G
MAY 27, 1931	9.54C	NOV. 15	8.40G	DEC. 9	7.66G	NOV. 25	7.12G
AUG. 13	10.49G	JAN. 23, 1934	8.22C	MAY 27, 1938	5.43C	MAY 7, 1942	5.97G
NOV. 24	10.04G	JAN. 21, 1935	9.00G	MAY 22, 1939	6.21G	NOV. 26	7.70G
MAR. 17, 1932	7.47C	NOV. 12	9.61C	NOV. 29	7.37C	, 1943	P

9N/1W-6B2 S. PERFORATED 50-102 FT; DEPTH 102 FT IN 1952.  
 LSD 2110 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 12.00 BELOW LSD, JUNE 6, 1952.  
 LOWEST WATER LEVEL 14.00 BELOW LSD, JUNE 11, 1958.  
 RECORDS AVAILABLE: 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 6, 1952	12. G	JUNE 11, 1958	14.0 G				

9N/1W-8A1 S. DEPTH 168 FT IN 1958.  
 LSD 2120 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 125.00 BELOW LSD, , 1943,  
 LOWEST WATER LEVEL 140.00 BELOW LSD, , 1959.  
 RECORDS AVAILABLE: 1943, 1959.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
, 1943	125. G	, 1959	140. G				



9N/1W-8A2 S. PERFORATED 95-97, 115-116, 130-131 FT; DEPTH 131 FT IN 1954.  
 LSD 2110 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 68.00 BELOW LSD, MAY 20, 1954.  
 LOWEST WATER LEVEL 75.04 BELOW LSD, NOV. 20, 1962.  
 RECORDS AVAILABLE: 1954, 1962.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 20, 1954	68.0	NOV. 20, 1962	75.04				

9N/1W-8A3 S. RECORDS IN 1919, 22, 30-32, 34 FURNISHED BY CALIFORNIA DEPARTMENT OF PUBLIC WORKS. DEPTH 125 FT IN 1919.  
 LSD 2120 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 79.91 BELOW LSD, JUNE 11, 1958,  
 LOWEST WATER LEVEL 98.00 BELOW LSD, OCT. 22, 1919.  
 RECORDS AVAILABLE: 1919, 1922, 1930-32, 1934, 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 22, 1919	98.0	SEP. 19, 1930	93.1	MAR. 17, 1932	92.8 A	JUNE 11, 1958	79.91
MAY 24, 1922	83.7	AUG. 13, 1931	97.5 A	MAY 11, 1934	93.6 A		

9N/1W-9A1 S. DEPTH 18.3 FT IN 1958.  
 LSD 2045 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 8.48 BELOW LSD, JUNE 12, 1958,  
 LOWEST WATER LEVEL 8.48 BELOW LSD, JUNE 12, 1958.  
 RECORDS AVAILABLE: 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 12, 1958	8.48						

9N/1W-9B1 S. 2 FOOT WELL POINT SET AT 51 FT IN 1971.  
 LSD 2048.50 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 10.60 BELOW LSD, AUG. 30, 1971,  
 LOWEST WATER LEVEL 15.34 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 30, 1971	10.6	DEC. 17, 1971	11.06	APR. 18, 1972	12.63	JULY 20, 1972	14.44
SEP. 15	11.2	JAN. 19, 1972	10.83	MAY 15	13.17	AUG. 16	14.83
OCT. 18	11.7	FEB. 16	11.04	JUNE 20	13.88	SEP. 12	15.34
NOV. 16	11.21	MAR. 22	11.98				

9N/1W-9D2 S. PERFORATED 60-106 FT; DEPTH 106 FT IN 1952.  
 LSD 2090 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 48.50 BELOW LSD, APR. 8, 1952,  
 LOWEST WATER LEVEL 53.16 BELOW LSD, OCT. 17, 1960.  
 RECORDS AVAILABLE: 1952, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 8, 1952	48.5	OCT. 17, 1960	53.16				



9N/1W-9F1 S. DEPTH 117 FT IN 1960.  
 LSD 2075 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 40.00 BELOW LSD, OCT. 5, 1960,  
 LOWEST WATER LEVEL 40.00 BELOW LSD, OCT. 5, 1960.  
 RECORDS AVAILABLE: 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1960	40. G						

9N/1W-9G1 S. DEPTH 62 FT IN 1948.  
 LSD 2070 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 36.00 BELOW LSD, SEP. 23, 1960,  
 LOWEST WATER LEVEL 36.00 BELOW LSD, SEP. 23, 1960.  
 RECORDS AVAILABLE: 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 23, 1960	36.0						

9N/1W-9G2 S.  
 LSD 2075 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 47.79 BELOW LSD, OCT. 5, 1960,  
 LOWEST WATER LEVEL 47.79 BELOW LSD, OCT. 5, 1960.  
 RECORDS AVAILABLE: 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1960	47.79						

9N/1W-9G5 S. DEPTH 41 FT IN 1960.  
 LSD 2070 FT ABOVE MSL.  
 DRY, WATER LEVEL NOT MEASUREABLE, MAR. 13, 1962.  
 RECORDS AVAILABLE: 1962.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 13, 1962	F						

9N/1W-9G7 S. 2 FOOT WELL POINT SET AT 50 FT IN 1971.  
 LSD 2053 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 16.17 BELOW LSD, DEC. 17, 1971,  
 LOWEST WATER LEVEL 21.82 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 30, 1971	17.35	DEC. 17, 1971	16.17	MAR. 22, 1972	18.43	JULY 20, 1972	20.63
SEP. 15	17.2	JAN. 19, 1972	16.47	APR. 18	19.10	AUG. 16	21.12
OCT. 18	17.7	FEB. 7	16.67	MAY 15	19.67	SEP. 12	21.82
NOV. 16	16.77	FEB. 16	16.60	JUNE 20	20.08		



9N/1W-9G8 S. 2 FOOT WELL POINT SET AT 101 FT IN 1972.  
 LSD 2053 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 16.40 BELOW LSD, FEB. 7, 1972,  
 LOWEST WATER LEVEL 21.89 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1972.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 7, 1972	16.40	APR. 18, 1972	19.16	JUNE 20, 1972	20.33	AUG. 16, 1972	21.20
FEB. 16	17.10	MAY 15	19.75	JULY 20	20.80	SEP. 12	21.89
MAR. 22	18.58						

9N/1W-9H4 S. DEPTH 225 FT IN 1972.  
 LSD 2045 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 45.00 BELOW LSD, MAR. 26, 1968,  
 LOWEST WATER LEVEL 45.00 BELOW LSD, MAR. 26, 1968.  
 RECORDS AVAILABLE: 1968.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 26, 1968	45.0 G						

9N/1W-9H5 S. 2 FOOT WELL POINT SET AT 47.5 FT IN 1971.  
 LSD 2039.50 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 6.33 BELOW LSD, SEP. 1, 1971,  
 LOWEST WATER LEVEL 11.88 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1971	6.33	DEC. 17, 1971	7.18	APR. 18, 1972	9.26	JULY 20, 1972	10.78
SEP. 15	7.7	JAN. 19, 1972	6.36	MAY 15	9.89	AUG. 16	11.03
OCT. 18	7.4	FEB. 16	7.17	JUNE 20	10.41	SEP. 12	11.88
NOV. 16	6.92	MAR. 22	8.69				

9N/1W-9H6 S. 2 FOOT WELL POINT SET AT 53 FT IN 1971.  
 LSD 2039 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 6.79 BELOW LSD, JAN. 19, 1972,  
 LOWEST WATER LEVEL 11.89 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1971	7.0	DEC. 17, 1971	7.30	APR. 18, 1972	9.23	JULY 20, 1972	11.00
SEP. 15	8.9	JAN. 19, 1972	6.79	MAY 15	9.82	AUG. 16	11.12
OCT. 18	7.7	FEB. 16	7.38	JUNE 20	10.52	SEP. 12	11.89
NOV. 16	7.67	MAR. 22	8.68				

9N/1W-9H7 S. 2 FOOT WELL POINT SET AT 101 FT IN 1972.  
 LSD 2039.50 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 6.94 BELOW LSD, FEB. 7, 1972,  
 LOWEST WATER LEVEL 11.95 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1972.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 7, 1972	6.94	APR. 18, 1972	9.28	JUNE 20, 1972	10.47	AUG. 16, 1972	11.15
FEB. 16	7.52	MAY 15	9.96	JULY 20	11.01	SEP. 12	11.95
MAR. 22	8.75						



9N/1W-9H8 S. 2 FOOT WELL POINT SET AT 101 FT IN 1972.  
 LSD 2039 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 7.82 BELOW LSD, FEB. 7, 1972,  
 LOWEST WATER LEVEL 12.39 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1972.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 7, 1972	7.82	APR. 18, 1972	9.74	JUNE 20, 1972	11.15	AUG. 16, 1972	11.68
FEB. 16	7.83	MAY 15	10.35	JULY 20	11.65	SEP. 12	12.39
MAR. 22	9.18						

9N/1W-10A2 S. RECORDS IN 1928, 1930-32 FURNISHED BY CALIFORNIA DEPARTMENT OF PUBLIC WORKS.  
 DEPTH 30 FT IN 1958.  
 LSD 2035 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 8.30 BELOW LSD, MAY 26, 1932,  
 LOWEST WATER LEVEL 19.06 BELOW LSD, SEP. 21, 1960.  
 RECORDS AVAILABLE: 1928, 1930-32, 1960, 1971.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1928	13.1	JUNE 21, 1931	14.7	MAY 26, 1932	8.3	SEP. 21, 1960	19.06
MAY 30, 1930	14.8	MAR. 23, 1932	9.8	NOV. 15	10.0	OCT. 18, 1971	P

9N/1W-10D2 S. RECORDS IN 1945-54 FURNISHED BY SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT.  
 DEPTH 132 FT IN 1960.  
 LSD 2045 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 5.41 BELOW LSD, MAY 1, 1946,  
 LOWEST WATER LEVEL 16.40 BELOW LSD, AUG. 16, 1951.  
 RECORDS AVAILABLE: 1945-54, 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 27, 1945	7.74	MAR. 16, 1950	12.9	OCT. 11, 1951	15.85	OCT. 17, 1952	10.06
MAY 1, 1946	5.41	MAY 2	13.23	NOV. 28	15.77	NOV. 20	10.25
JAN. 10, 1947	6.1	SEP. 15	14.4	DEC. 14	11.60	JAN. 23, 1953	10.70
NOV. 13	9.9	OCT. 18	14.8	JAN. 23, 1952	11.37	FEB. 19	10.86
MAY 17, 1948	10.88	NOV. 8	14.78	FEB. 15	14.85	MAR. 18	22.08A
MAY 9, 1949	11.72	DEC. 14	14.7	MAR. 14	14.69	APR. 17	10.52
JULY 15	12.4	JAN. 17, 1951	14.6	APR. 11	9.50	MAY 26	10.88
SEP. 16	12.9	FEB. 15	14.7	JUNE 3	8.00	NOV. 17	12.30
NOV. 16	13.25	MAR. 21	14.6	JUNE 27	8.30	MAY 19, 1954	12.70
JAN. 25, 1950	13.0	APR. 19	15.3	JULY 17	9.29	NOV. 26	14.10
FEB. 16	13.0	AUG. 16	16.40	SEP. 19	9.90	JUNE 11, 1958	10.09

9N/1W-10E1 S. DEPTH 28 FT IN 1960.  
 LSD 2060 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 18.00 BELOW LSD, OCT. , 1960,  
 LOWEST WATER LEVEL 18.00 BELOW LSD, OCT. , 1960.  
 RECORDS AVAILABLE: 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. , 1960	18. G						



9N/1W-10F1 S. 2 FOOT WELL POINT SET AT 52 FT IN 1971.  
 LSD 2033 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 8.10 BELOW LSD, SEP. 16, 1971,  
 LOWEST WATER LEVEL 11.20 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1971	9.48	DEC. 17, 1971	9.46	APR. 18, 1972	8.90	JULY 20, 1972	10.27
SEP. 16	8.1	JAN. 19, 1972	9.25	MAY 15	9.32	AUG. 16	10.79
OCT. 18	9.0	FEB. 16	9.19	JUNE 20	9.75	SEP. 12	11.20
NOV. 16	9.45	MAR. 22	8.70				

9N/1W-10F2 S. 2 FOOT WELL POINT SET AT 101 FT IN 1971.  
 LSD 2035 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 9.10 BELOW LSD, SEP. 16, 1971,  
 LOWEST WATER LEVEL 12.39 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1971	11.02	DEC. 17, 1971	11.83	APR. 18, 1972	10.14	JULY 20, 1972	11.41
SEP. 16	9.1	JAN. 19, 1972	10.82	MAY 15	10.53	AUG. 16	12.03
OCT. 18	10.3	FEB. 16	10.66	JUNE 20	10.92	SEP. 12	12.39
NOV. 16	10.97	MAR. 22	9.88				

9N/1W-10F3 S. 2 FOOT WELL POINT SET AT 72 FT IN 1971.  
 LSD 2035 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 8.90 BELOW LSD, SEP. 1, 1971,  
 LOWEST WATER LEVEL 12.57 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1971	8.9	DEC. 17, 1971	11.17	APR. 18, 1972	10.29	JULY 20, 1972	11.56
SEP. 16	11.19	JAN. 19, 1972	10.97	MAY 15	10.71	AUG. 16	12.25
OCT. 18	10.5	FEB. 16	10.86	JUNE 20	11.07	SEP. 12	12.57
NOV. 16	11.08	MAR. 22	10.09				

9N/1W-10F4 S. 2 FOOT WELL POINT SET AT 52.5 FT IN 1971.  
 LSD 2035 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 8.00 BELOW LSD, SEP. 16, 1971,  
 LOWEST WATER LEVEL 11.82 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1971	10.3	DEC. 17, 1971	10.33	APR. 18, 1972	9.46	JULY 20, 1972	10.77
SEP. 16	8.0	JAN. 19, 1972	10.15	MAY 15	9.87	AUG. 16	11.43
OCT. 18	9.5	FEB. 16	9.95	JUNE 20	10.26	SEP. 12	11.82
NOV. 16	10.25	MAR. 22	9.16				

9N/1W-10F5 S. 2 FOOT WELL POINT SET AT 101 FT IN 1972.  
 LSD 2033 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 8.72 BELOW LSD, MAR. 22, 1972,  
 LOWEST WATER LEVEL 11.13 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1972-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 16, 1972	9.30	APR. 18, 1972	8.89	JUNE 20, 1972	9.70	AUG. 16, 1972	10.71
MAR. 22	8.72	MAY 15	9.29	JULY 20	10.20	SEP. 12	11.13



9N/1W-10G1 S. DEPTH 30 FT IN 1949.  
 LSD 2035 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 13.76 BELOW LSD, JULY 16, 1958,  
 LOWEST WATER LEVEL 13.76 BELOW LSD, JULY 16, 1958.  
 RECORDS AVAILABLE: 1958, 1962.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 16, 1958	13.76	AUG. 2, 1962	P				

9N/1W-10G2 S. PERFORATED 20-100 FT; DEPTH 100 FT IN 1937.  
 LSD 2040 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 11.84 BELOW LSD, JUNE 11, 1958,  
 LOWEST WATER LEVEL 11.84 BELOW LSD, JUNE 11, 1958.  
 RECORDS AVAILABLE: 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 11, 1958	11.84						

9N/1W-10G5 S. 2 FOOT WELL POINT SET AT 75 FT IN 1972.  
 LSD 2033.70 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 7.03 BELOW LSD, MAR. 22, 1972,  
 LOWEST WATER LEVEL 9.60 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1972.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 16, 1972	7.09	APR. 18, 1972	7.42	JUNE 20, 1972	8.39	AUG. 16, 1972	9.47
MAR. 22	7.03	MAY 15	7.91	JULY 20	9.10	SEP. 12	9.60

9N/1W-10H1 S. DEPTH 65 FT IN 1958, 56 FT IN 1960.  
 LSD 2035 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 13.00 BELOW LSD, JUNE 11, 1958,  
 LOWEST WATER LEVEL 18.20 BELOW LSD, OCT. 5, 1960.  
 RECORDS AVAILABLE: 1958, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 11, 1958	13.00	OCT. 5, 1960	18.20				

9N/1W-10J2 S. 2 FOOT WELL POINT SET AT 93 FT IN 1971.  
 LSD 2028.64 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 10.47 BELOW LSD, APR. 18, 1972,  
 LOWEST WATER LEVEL 12.09 BELOW LSD, SEP. 1, 1971.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1971	12.09	DEC. 17, 1971	11.68	MAR. 22, 1972	10.79	JUNE 20, 1972	11.04
SEP. 16	11.77	JAN. 19, 1972	11.35	APR. 18	10.47	JULY 20	11.52
OCT. 18	11.7	FEB. 16	11.23	MAY 15	10.77	AUG. 16	12.05
NOV. 16	11.78						



9N/1W-10J3 S. 2 FOOT WELL POINT SET AT 61 FT IN 1971.  
 LSD 2028.62 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 10.54 BELOW LSD, APR. 18, 1972,  
 LOWEST WATER LEVEL 12.29 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1971	12.15	DEC. 17, 1971	11.78	APR. 18, 1972	10.54	JULY 20, 1972	11.59
SEP. 16	11.60	JAN. 19, 1972	11.43	MAY 15	10.83	AUG. 16	12.11
OCT. 18	11.8	FEB. 16	11.32	JUNE 20	11.10	SEP. 12	12.29
NOV. 16	11.80	MAR. 22	10.89				

9N/1W-10J4 S. 2 FOOT WELL POINT SET AT 25 FT IN 1971.  
 LSD 2028.64 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 9.61 BELOW LSD, APR. 18, 1972,  
 LOWEST WATER LEVEL 11.18 BELOW LSD, FEB. 16, 1972.  
 RECORDS AVAILABLE: 1972-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 16, 1972	11.18	APR. 18, 1972	9.61	JUNE 20, 1972	10.05	AUG. 16, 1972	10.95
MAR. 22	10.45	MAY 15	9.86	JULY 20	10.06		

9N/1W-10M1 S. DEPTH 108 FT. IN 1930.  
 LSD 2097.40 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 48.01 BELOW LSD, APR. 26, 1944,  
 LOWEST WATER LEVEL 69.20 BELOW LSD, AUG. 16, 1950.  
 RECORDS AVAILABLE: 1930, 1932, 1935, 1938-53, 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 19, 1930	58.55G	MAY 15, 1942	51.45G	APR. 16, 1948	53.8 G	AUG. 16, 1950	69.2 G
MAR. 17, 1932	51.50A	NOV. 26	52.71G	JUNE 15	54.7 G	NOV. 8	58.70G
APR. 28	50.40G	MAY 20, 1943	48.45G	JULY 14	59.0 G	DEC. 14	54.4 G
FEB. 15, 1935	58.30G	DEC. 28	51.56G	AUG. 11	57.0 G	APR. 19, 1951	64.5 G
NOV. 19, 1938	51.92G	APR. 26, 1944	48.01G	SEP. 15	59.0 G	NOV. 28	60.07G
MAY 23, 1939	50.78G	MAY 5, 1945	48.09G	OCT. 14	58.3 G	JUNE 3, 1952	51.29G
NOV. 29	52.21G	MAY 1, 1946	48.89G	FEB. 18, 1949	62.6 G	NOV. 20	55.38G
MAY 9, 1940	53.09G	FEB. 13, 1947	51.0 G	MAR. 17	62.4 G	MAY 21, 1953	54.89G
NOV. 26	53.70G	MAY 21	51.5 G	APR. 15	60.5 G	AUG. 25, 1958	73.83A
JUNE 12, 1941	49.65G	NOV. 14	53.5 G	MAY 16	58.18G	NOV.	57.9
NOV. 25	50.83G	MAR. 12, 1948	54.4 G	JUNE 17	66.1 G		

9N/1W-10M2 S. RECORDS IN 1946-52 FURNISHED BY U.S. BUREAU OF RECLAMATION AND SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT. DEPTH 88.3 FT IN 1962.  
 LSD 2098.08 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 68.00 BELOW LSD, AUG. 5, 1946,  
 LOWEST WATER LEVEL 87.74 BELOW LSD, MAR. 21, 1967.  
 RECORDS AVAILABLE: 1946-52, 1958, 1964, 1967-69, 1971.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 22, 1946	69.6	NOV. 12, 1946	70.0	JULY 9, 1947	70.8	FEB. 15, 1952	79.48
JULY 30	69.4	DEC. 4	70.2	JULY 23	71.2	MAR. 14	79.33
AUG. 5	68.0	DEC. 19	70.2	AUG. 8	71.4	APR. 11	78.82
AUG. 12	68.2	JAN. 2, 1947	70.3	MAR. 12, 1948	74.0	JUNE 16	72.22
AUG. 27	68.6	JAN. 22	68.9	JUNE 15	74.0	JULY 17	76.94
SEP. 4	68.8	FEB. 6	68.4	AUG. 11	74.0	SEP. 19	74.08
SEP. 9	68.9	FEB. 20	68.8	OCT. 14	74.7	MAR. 25, 1958	78.97G
SEP. 17	69.1	MAR. 4	68.7	APR. 15, 1949	68.5	MAR. 26	78.97
SEP. 25	69.2	MAR. 27	68.9	FEB. 16, 1950	69.2	DEC. 3	76.15
OCT. 1	69.5	APR. 10	69.1	JUNE 16	69.3	MAR. 13, 1964	82.78
OCT. 7	69.5	APR. 30	69.4	JUNE 15, 1951	79.0	MAR. 21, 1967	87.74
OCT. 14	69.5	MAY 16	70.4	JULY 19	79.0	SEP. 26	81.92
OCT. 23	69.7	MAY 27	70.3	SEP. 14	79.3	MAR. 12, 1968	85.90
OCT. 30	69.9	JUNE 10	70.3	OCT. 17	79.79	APR. 8, 1969	75.78
NOV. 4	69.9	JUNE 26	70.6	DEC. 14	79.65	APR. 19, 1971	71.18



9N/1W-10Q2 S. DEPTH 48 FT IN 1958.  
 LSD 2050 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 40.50 BELOW LSD, OCT. 7, 1960,  
 LOWEST WATER LEVEL 40.92 BELOW LSD, AUG. 12, 1958.  
 RECORDS AVAILABLE: 1958, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 12, 1958	40.92	OCT. 7, 1960	40.5				

9N/1W-10Q5 S. DEPTH 58 FT IN 1958.  
 LSD 2074 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 37.42 BELOW LSD, AUG. 12, 1958,  
 LOWEST WATER LEVEL 62.66 BELOW LSD, MAR. 12, 1964.  
 RECORDS AVAILABLE: 1958, 1964.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 12, 1958	37.42	MAR. 12, 1964	62.66				

9N/1W-10R2 S. PERFORATED 140-249 FT; DEPTH 249 FT IN 1965.  
 LSD 2100 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 63.82 BELOW LSD, MAY 24, 1967,  
 LOWEST WATER LEVEL 63.82 BELOW LSD, MAY 24, 1967.  
 RECORDS AVAILABLE: 1967.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 24, 1967	63.82						

9N/1W-11K2 S. PERFORATED 30-195 FT, 202-202 FT; DEPTH 202 FT IN 1950.  
 LSD 2009.60 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 9.00 BELOW LSD, AUG. 21, 1950,  
 LOWEST WATER LEVEL 9.00 BELOW LSD, AUG. 21, 1950.  
 RECORDS AVAILABLE: 1950.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 21, 1950	9.0						

9N/1W-11K3 S. 2 FOOT WELL POINT SET AT 105 FT IN 1966.  
 LSD 2013.50 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 13.32 BELOW LSD, MAR. 20, 1967,  
 LOWEST WATER LEVEL 14.31 BELOW LSD, JUNE 27, 1966.  
 RECORDS AVAILABLE: 1966-68.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 27, 1966	14.31	MAR. 20, 1967	13.32	MAR. 13, 1968	13.51		



9N/1W-11K5 S. 2 FOOT WELL POINT SET AT 56 FT IN 1971.  
 LSD 2022.39 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 14.99 BELOW LSD, JAN. 19, 1972,  
 LOWEST WATER LEVEL 18.72 BELOW LSD, AUG. 16, 1972, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1971	18.27	DEC. 17, 1971	15.56	APR. 18, 1972	16.94	JULY 20, 1972	18.32
SEP. 16	18.31	JAN. 19, 1972	14.99	MAY 15	17.31	AUG. 16	18.72
OCT. 18	18.0	FEB. 16	16.13	JUNE 20	17.64	SEP. 12	18.72
NOV. 16	16.30	MAR. 22	16.72				

9N/1W-11K6 S. 2 FOOT WELL POINT SET AT 43 FT IN 1971.  
 LSD 2022.55 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 15.17 BELOW LSD, JAN. 19, 1972,  
 LOWEST WATER LEVEL 19.20 BELOW LSD, OCT. 18, 1971.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1971	18.54	DEC. 17, 1971	15.73	APR. 18, 1972	17.17	JULY 20, 1972	18.51
SEP. 16	18.50	JAN. 19, 1972	15.17	MAY 15	17.54	AUG. 16	18.92
OCT. 18	19.2	FEB. 16	16.37	JUNE 20	17.86	SEP. 12	18.88
NOV. 16	16.45	MAR. 22	16.94				

9N/1W-11K7 S. 2 FOOT WELL POINT SET AT 102 FT IN 1971.  
 LSD 2022.44 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 14.93 BELOW LSD, JAN. 19, 1972,  
 LOWEST WATER LEVEL 18.57 BELOW LSD, AUG. 16, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1971	18.10	DEC. 17, 1971	15.49	APR. 18, 1972	16.67	JULY 20, 1972	18.12
SEP. 16	18.03	JAN. 19, 1972	14.93	MAY 15	17.09	AUG. 16	18.57
OCT. 18	17.8	FEB. 16	15.84	JUNE 20	17.41	SEP. 12	18.55
NOV. 16	16.2	MAR. 22	16.45				

9N/1W-11M1 S. 2 FOOT WELL POINT SET AT 51 FT IN 1971.  
 LSD 2032 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 19.53 BELOW LSD, FEB. 16, 1972, APR. 18, 1972,  
 LOWEST WATER LEVEL 21.42 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1971	20.84	DEC. 17, 1971	20.05	APR. 18, 1972	19.53	JULY 20, 1972	20.64
SEP. 17	20.71	JAN. 19, 1972	19.62	MAY 15	19.77	AUG. 16	21.15
OCT. 18	20.7	FEB. 16	19.53	JUNE 20	20.13	SEP. 12	21.42
NOV. 16	20.4	MAR. 22	19.58				

9N/1W-11M2 S. 2 FOOT WELL POINT SET AT 131 FT IN 1971.  
 LSD 2032 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 19.20 BELOW LSD, MAR. 22, 1972,  
 LOWEST WATER LEVEL 22.09 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1972-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 16, 1972	20.08	APR. 18, 1972	20.16	JUNE 20, 1972	20.83	AUG. 16, 1972	21.89
MAR. 22	19.20	MAY 15	20.46	JULY 20	21.38	SEP. 12	22.09



9N/1W-11N1 S. 2 FOOT WELL POINT SET AT 99 FT IN 1971.  
 LSD 2052.01 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 35.15 BELOW LSD, APR. 18, 1972,  
 LOWEST WATER LEVEL 36.98 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1972-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 16, 1972	35.60	APR. 18, 1972	35.15	JUNE 20, 1972	35.76	AUG. 16, 1972	36.89
MAR. 22	35.38	MAY 15	35.39	JULY 20	36.23	SEP. 12	36.98

9N/1W-11N2 S. PERFORATED 60-100 FT; DEPTH 100 FT IN 1972.  
 LSD 2047.57 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 33.61 BELOW LSD, MAR. 29, 1972,  
 LOWEST WATER LEVEL 35.50 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1972-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 29, 1972	33.61	MAY 15, 1972	33.95	JULY 20, 1972	34.83	SEP. 12, 1972	35.50
APR. 1	33.81	JUNE 20	34.35	AUG. 16	35.32		

9N/1W-11P1 S. 2 FOOT WELL POINT SET AT 52 FT IN 1971.  
 LSD 2036.91 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 26.82 BELOW LSD, JAN. 19, 1972,  
 LOWEST WATER LEVEL 29.74 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1971	29.13	DEC. 17, 1971	27.5	APR. 18, 1972	27.62	JULY 20, 1972	29.04
SEP. 17	29.01	JAN. 19, 1972	26.82	MAY 15	27.97	AUG. 16	29.59
OCT. 18	28.9	FEB. 16	26.90	JUNE 20	28.34	SEP. 12	29.74
NOV. 16	28.07	MAR. 22	27.79				

9N/1W-11P2 S. 2 FOOT WELL POINT SET AT 115 FT IN 1971.  
 LSD 2036.96 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 27.35 BELOW LSD, FEB. 16, 1972,  
 LOWEST WATER LEVEL 30.14 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1972-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 16, 1972	27.35	APR. 18, 1972	28.02	JUNE 20, 1972	28.72	AUG. 16, 1972	30.08
MAR. 22	27.50	MAY 15	28.50	JULY 26	29.60	SEP. 12	30.14

9N/1W-11Q1 S. 2 FOOT WELL POINT SET AT 53 FT IN 1971.  
 LSD 2032.75 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 24.67 BELOW LSD, JAN. 19, 1972,  
 LOWEST WATER LEVEL 28.98 BELOW LSD, SEP. 1, 1971.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1971	28.98	DEC. 17, 1971	25.19	APR. 18, 1972	26.03	JULY 20, 1972	27.89
SEP. 17	26.60	JAN. 19, 1972	24.67	MAY 15	26.54	AUG. 20	28.44
OCT. 18	27.4	FEB. 18	25.03	JUNE 20	26.95	SEP. 12	28.42
NOV. 16	26.1	MAR. 22	25.75				



9N/1W-1102 S. 2 FOOT WELL POINT SET AT 105 FT IN 1971.  
 LSD 2033.05 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 25.29 BELOW LSD, FEB. 18, 1972,  
 LOWEST WATER LEVEL 28.84 BELOW LSD, AUG. 16, 1972.  
 RECORDS AVAILABLE: 1972-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1972	25.29	APR. 18, 1972	26.25	JUNE 20, 1972	27.32	AUG. 16, 1972	28.84
MAR. 22	26.00	MAY 15	26.99	JULY 20	28.32	SEP. 12	28.63

9N/1W-11R1 S. 2 FOOT WELL POINT SET AT 52 FT IN 1971.  
 LSD 2032.18 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 25.35 BELOW LSD, JAN. 19, 1972,  
 LOWEST WATER LEVEL 29.74 BELOW LSD, AUG. 16, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1971	29.24	DEC. 17, 1971	26.1	APR. 18, 1972	26.87	JULY 20, 1972	29.26
SEP. 17	29.01	JAN. 19, 1972	25.35	MAY 15	27.67	AUG. 16	29.74
OCT. 18	28.2	FEB. 18	26.66	JUNE 20	28.03	SEP. 12	29.53
NOV. 16	27.7	MAR. 22	26.57				

9N/1W-11R2 S. 2 FOOT WELL POINT SET AT 102 FT IN 1972.  
 LSD 2032.51 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 25.68 BELOW LSD, FEB. 18, 1972,  
 LOWEST WATER LEVEL 30.09 BELOW LSD, AUG. 16, 1972.  
 RECORDS AVAILABLE: 1972-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1972	25.68	APR. 18, 1972	27.10	JUNE 20, 1972	28.04	AUG. 16, 1972	30.09
MAR. 22	26.82	MAY 15	27.98	JULY 20	29.54	SEP. 12	29.73

9N/1W-12N1 S. 2 FOOT WELL POINT SET AT 92 FT IN 1971.  
 LSD 2007.02 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 24.20 BELOW LSD, SEP. 16, 1971,  
 LOWEST WATER LEVEL 35.77 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 1, 1971	28.54	DEC. 17, 1971	31.17	APR. 18, 1972	30.60	JULY 20, 1972	33.64
SEP. 16	24.20	JAN. 19, 1972	28.95	MAY 15	31.62	AUG. 16	34.83
OCT. 18	31.6	FEB. 18	28.32	JUNE 20	32.57	SEP. 12	35.77
NOV. 16	31.5	MAR. 22	29.25				

9N/1W-12N3 S. 2 FOOT WELL POINT SET AT 136 FT IN 1971.  
 LSD 2007.01 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 28.30 BELOW LSD, FEB. 18, 1972,  
 LOWEST WATER LEVEL 35.75 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1972-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1972	28.30	APR. 18, 1972	30.64	JUNE 20, 1972	32.52	AUG. 16, 1972	34.82
MAR. 22	29.50	MAY 15	31.64	JULY 20	33.65	SEP. 12	35.75



9N/1W-13E1 S. NEBO 4. PERFORATED 48-348 FT; DEPTH 348 FT IN 1954.  
 LSD 2070.75 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 48.00 BELOW LSD, FEB. 6, 1954,  
 LOWEST WATER LEVEL 92.00 BELOW LSD, AUG. 7, 1961, OCT. 14, 1961.  
 RECORDS AVAILABLE: 1954-61, 1963-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
, 1954	68. G	NOV. 2, 1961	68.0 G	JUNE 2, 1965	70.27	OCT. 23, 1968	72.318
FEB. 6	48. G	APR. 26, 1963	67.0 G	JULY 9	70.33	APR. 8, 1969	57.10
, 1955	66. G	, 1964	71.2 G	SEP. 10	70.79	JUNE 24	59.4 G
, 1956	63. G	MAR. 4	67.15	OCT. 6	70.71	OCT. 29	58.13
MAY 14	64.7 G	AUG. 4	78.05A	DEC. 8	67.0	MAR. 18, 1970	58.51
NOV. 1	68. G	AUG. 5	79.15A	JAN. 6, 1966	65.95	SEP. 10	62.9 G
JAN. 7, 1957	65. G	SEP. 2	71.20C	FEB. 9	64.81	OCT. 20	61.25
JUNE	65. G	OCT. 7	71.82B	MAR. 22	66.26	JULY 14, 1971	66.0 G
JULY 29, 1958	64.93	NOV. 5	75.49A	FEB. 7, 1967	65.67	MAR. 29, 1972	60.75
JAN. 23, 1959	63. G	JAN. 6, 1965	68.02	MAR. 21	75.15A	MAR. 30	60.61
OCT. 3, 1960	74.55A	FEB. 2	67.00	MAY 4	67.9 G	MAR. 31	60.57
AUG. 7, 1961	92. G	MAR. 2	66.79	MAR. 13, 1968	66.95	APR. 1	70.64
OCT. 14	92. G	MAY 5	77.60A	SEP. 11	75.5 G	APR. 2	70.98

9N/1W-13E2 S. NEBO 5. PERFORATED 65-440 FT; DEPTH 440 FT IN 1960.  
 LSD 2060 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 51.84 BELOW LSD, MAR. 18, 1970,  
 LOWEST WATER LEVEL 76.40 BELOW LSD, SEP. 11, 1968.  
 RECORDS AVAILABLE: 1960, 1963-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1960	59.67	FEB. 2, 1965	60.54	MAR. 22, 1966	59.36	MAR. 18, 1970	51.84
APR. 26, 1963	68.0 G	MAR. 2	60.12	MAY 18	64.22	OCT. 20	55.23
, 1964	62.0 G	APR. 7	60.62	JUNE 16	64.0	APR. 19, 1971	54.97
AUG. 4	75.7 A	MAY 5	62.35	MAR. 21, 1967	69.32B	JULY 14	67.1 G
AUG. 5	64.15C	JULY 9	63.33	MAY 4	64.1 G	MAR. 29, 1972	54.40
OCT. 7	69.12B	AUG. 5	65.22	SEP. 11, 1968	76.4	MAR. 30	54.29
NOV. 5	77.1 A	SEP. 10	65.27	APR. 8, 1969	52.67	MAR. 31	54.34
NOV. 30	61.97	NOV. 19	62.12	JUNE 24	62.0	APR. 1	73.60A
JAN. 6, 1965	61.58	DEC. 8	60.59	OCT. 29	52.87	APR. 2	73.57A

9N/1W-13H2 S. PERFORATED 65-108 FT; DEPTH 108 FT IN 1954.  
 LSD 2000 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 33.80 BELOW LSD, AUG. 12, 1958,  
 LOWEST WATER LEVEL 57.39 BELOW LSD, SEP. 23, 1960.  
 RECORDS AVAILABLE: 1954, 1958, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 6, 1954	40. G	AUG. 12, 1958	33.80	SEP. 23, 1960	57.39		

9N/1W-14A1 S. RECORDS IN 1943, 46-47, 49-51, 53-56, FURNISHED BY U.S.M.C. PERFORATED  
 65-113, 123-135, 143-161, 204-207, 250-252, 261-317, 373-420 FT; DEPTH 420 FT IN 1942.  
 LSD 2060 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 52.80 BELOW LSD, , 1943,  
 LOWEST WATER LEVEL 69.00 BELOW LSD, APR. 2, 1956.  
 RECORDS AVAILABLE: 1942-43, 1946-47, 1949-51, 1953-56, 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
, 1942	54. G	, 1949	62.	, 1954	66.	APR. 2, 1956	69.
, 1943	52.8	, 1950	64.4	, 1955	64.	MAY 14	61.5
, 1946	54.4	, 1951	65.	, 1956	67.	, 1958	P
, 1947	59.	, 1953	66.				



9N/1W-14A2 S. NEBO 2. PERFORATED 107-407 FT; DEPTH 407 FT IN 1958.  
 LSD 2058.24 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 56.29 BELOW LSD, OCT. 29, 1969,  
 LOWEST WATER LEVEL 84.90 BELOW LSD, NOV. 6, 1964.  
 RECORDS AVAILABLE: 1958-61, 1963-70, 1972.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE , 1958	62.7 G	NOV. 6, 1964	84.9 B	JAN. 5, 1966	65.24	OCT. 23, 1968	70.01
JUNE 19	61. G	NOV. 30	68.45	FEB. 9	64.66	APR. 8, 1969	59.07B
JULY 29	64.45	JAN. 6, 1965	68.15	MAR. 22	65.65	JUNE 24	58.7 G
JAN. 20, 1959	64.0 G	FEB. 2	82.0 B	MAR. 23	65.67	OCT. 29	56.29
OCT. 7, 1960	66.74	MAR. 2	67.35	MAY 18	67.70	MAR. 17, 1970	56.46
NOV. 3, 1961	67.0 G	APR. 7	67.24	JUNE 16	68.42	SEP. 10	62.5 G
APR. 23, 1963	68.0 G	MAY 5	67.94	MAR. 21, 1967	66.52	MAR. 29, 1972	60.13
MAR. 4, 1964	66.80	JUNE 1	68.89	MAY 4	69.1 G	MAR. 30	60.73
AUG. 5	69.95	AUG. 5	69.82	MAY 25	68.35	MAR. 31	60.80
SEP. 2	70.49	SEP. 10	75.67B	MAR. 13, 1968	66.13	APR. 1	78.07A
OCT. 7	70.42	OCT. 6	69.86	SEP. 11	72.6 G	APR. 2	78.33A
NOV. 5	69.76	NOV. 19	69.78				

9N/1W-14B1 S. NEBO 1. PERFORATED 70-151, 163-171 FT; DEPTH 171 FT IN 1942.  
 LSD 2064.26 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 45.30 BELOW LSD, JUNE 10, 1943,  
 LOWEST WATER LEVEL 62.00 BELOW LSD, , 1951, , 1954.  
 RECORDS AVAILABLE: 1942-43, 1946-47, 1949-51, 1954, 1956-58, 1964-70, 1972.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 28, 1942	46.3 G	MAR. 1, 1957	54. G	JAN. 6, 1965	60.40	OCT. 23, 1968	60.51
JUNE 10, 1943	45.3 G	MAR. 25	54. G	APR. 7	58.43	APR. 8, 1969	46.81
JAN. 28, 1946	47.1 G	APR. 1	54. G	MAY 5	58.80	OCT. 29	46.59
, 1947	54. G	APR. 19	54. G	JULY 9	60.93	MAR. 18, 1970	47.37
, 1949	56. G	MAY 21	54. G	AUG. 5	60.47	MAR. 27, 1972	50.40
OCT. 4, 1950	56.6 G	JUNE 3	54. G	OCT. 6	60.54	MAR. 28	50.37
, 1951	62. G	JULY 29, 1958	56.55	NOV. 19	59.43	MAR. 29	53.44
, 1954	62. G	MAR. 4, 1964	58.53C	JAN. 5, 1966	56.14	MAR. 30	53.49C
, 1956	99. A	AUG. 5	60.70	MAY 18	58.28	MAR. 31	54.06C
MAY 15	56.8 G	OCT. 7	61.09	JUNE 16	60.57	APR. 1	54.34C
JAN. 7, 1957	54. G	NOV. 5	75.3 A	MAY 4, 1967	58.3 G	APR. 2	54.48C
FEB. 4	53. G	DEC. 1	59.54	MAR. 13, 1968	57.50		

9N/1W-14B2 S. NEBO 3. PERFORATED 37-97, 130-230 FT; DEPTH 230 FT IN 1947.  
 LSD 2068.28 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 54.80 BELOW LSD, OCT. 29, 1969,  
 LOWEST WATER LEVEL 76.70 BELOW LSD, AUG. 5, 1964.  
 RECORDS AVAILABLE: 1947, 1949-51, 1953-56, 1958, 1960-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
, 1947	60. G	NOV. 2, 1961	60.5 G	MAY 5, 1965	67.70	MAR. 13, 1968	66.20
, 1949	60. G	OCT. 26, 1962	57. G	JUNE 3	68.37	SEP. 11	69.7 G
, 1950	69.6 G	JAN. 4, 1963	58. G	JULY 9	69.42	OCT. 23	69.43
, 1951	70. G	, 1964	68.6 G	AUG. 5	69.33	APR. 8, 1969	56.50B
, 1953	60. G	MAR. 4	67.28	SEP. 10	69.60	OCT. 29	54.80
, 1954	61. G	AUG. 5	76.7	OCT. 6	71.48	MAR. 17, 1970	55.02
, 1955	61. G	SEP. 2	69.62	NOV. 19	68.42	OCT. 20	59.03
, 1956	59. G	NOV. 5	69.29	DEC. 8	72.49	APR. 19, 1971	58.58
APR. 2	60. G	DEC. 1	68.40	JAN. 5, 1966	65.35	MAR. 29, 1972	59.54
MAY 14	62.4 G	JAN. 6, 1965	67.78	FEB. 9	64.76	MAR. 30	59.64
MAY 23	62.4	FEB. 2	68.43	MAR. 22	65.82	MAR. 31	59.84
JULY 29, 1958	61.84	MAR. 2	67.44	MAR. 21, 1967	66.46	APR. 1	59.92
OCT. 7, 1960	67.90	APR. 7	66.88	MAY 4	66.9 G	APR. 2	60.00



9N/1W-14B3 S. NEBO 6. PERFORATED 109-312 FT; DEPTH 312 FT IN 1969.

LSD 2058 FT ABOVE MSL.

HIGHEST WATER LEVEL 45.77 BELOW LSD, JUNE 25, 1969,

LOWEST WATER LEVEL 58.70 BELOW LSD, SEP. 10, 1970.

RECORDS AVAILABLE: 1969-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 25, 1969	45.77G	OCT. 20, 1970	50.74	JULY 14, 1971	53.5 G	MAR. 31, 1972	59.84A
JUNE 26	46.3	DEC. 21	48.88	MAR. 29, 1972	50.35	APR. 1	60.10A
NOV. 6	45.97	APR. 19, 1971	50.17	MAR. 30	59.12A	APR. 2	60.24A
SEP. 10, 1970	58.7 G						

9N/1W-14B4 S. PERFORATED 375-388, 396-399 FT; DEPTH 399 FT IN 1969.

LSD 2058 FT ABOVE MSL.

HIGHEST WATER LEVEL 55.09 BELOW LSD, NOV. 6, 1969,

LOWEST WATER LEVEL 73.48 BELOW LSD, JUNE 30, 1969.

RECORDS AVAILABLE: 1969.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 26, 1969	64.87	JUNE 30	73.48C	NOV. 6	55.09		

9N/1W-14B5 S. PERFORATED 100-126 FT; DEPTH 126 FT IN 1969.

LSD 2058 FT ABOVE MSL.

HIGHEST WATER LEVEL 45.67 BELOW LSD, NOV. 6, 1969,

LOWEST WATER LEVEL 48.20 BELOW LSD, JUNE 30, 1969.

RECORDS AVAILABLE: 1969.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 27, 1969	47.79C	JUNE 30	48.20C	NOV. 6	45.67		

9N/1W-15A1 S. PERFORATED 110-129 FT; DEPTH 129 FT IN 1951.

LSD 2100 FT ABOVE MSL.

HIGHEST WATER LEVEL 77.50 BELOW LSD, JUNE 11, 1951,

LOWEST WATER LEVEL 77.50 BELOW LSD, JUNE 11, 1951.

RECORDS AVAILABLE: 1951.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 11, 1951	77.5 G						

9N/1W-15Q1 S. 3 FOOT WELL POINT SET AT 475 FT IN 1966.

LSD 2250 FT ABOVE MSL.

HIGHEST WATER LEVEL 210.30 BELOW LSD, MAY 17, 1972,

LOWEST WATER LEVEL 214.00 BELOW LSD, JULY , 1966.

RECORDS AVAILABLE: 1966, 1972.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY , 1966	214.0	MAY 17, 1972	210.3				



9N/1W-15Q2 S. 2 FOOT WELL POINT SET AT 290 FT IN 1966.  
 LSD 2250 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 215.70 BELOW LSD, MAY 17, 1972,  
 LOWEST WATER LEVEL 220.00 BELOW LSD, JULY , 1966.  
 RECORDS AVAILABLE: 1966, 1972.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY , 1966	220.	MAR. 15, 1968	216.40	APR. 23, 1971	216.28	MAY 17, 1972	215.7
MAR. 21, 1967	216.20	APR. 8, 1969	216.15				

9N/1W-27D1 S. 2 FOOT WELL POINT SET AT 548 FT. IN 1966.  
 LSD 2480 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 423.82 BELOW LSD, MAR. 15, 1968,  
 LOWEST WATER LEVEL 426.00 BELOW LSD, JULY , 1966.  
 RECORDS AVAILABLE: 1966-69, 1971.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY , 1966	426.	MAR. 15, 1968	423.82	APR. 23, 1971	424.43	MAY 17, 1972	424.1
MAR. 21, 1967	425.08	APR. 8, 1969	423.83				

9N/2W-1F4 S. DEPTH 180 FT IN 1958.  
 LSD 2120 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 21.91 BELOW LSD, JUNE 12, 1958,  
 LOWEST WATER LEVEL 21.91 BELOW LSD, JUNE 12, 1958.  
 RECORDS AVAILABLE: 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 12, 1958	21.91						

9N/2W-3D2 S. RECORDS IN 1930-32 FURNISHED BY CALIFORNIA DEPARTMENT OF PUBLIC WORKS. DEPTH 81 FT IN 1958.  
 LSD 2150.10 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 11.00 BELOW LSD, MAY 12, 1932,  
 LOWEST WATER LEVEL 14.20 BELOW LSD, NOV. 24, 1931.  
 RECORDS AVAILABLE: 1930-32.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 4, 1930	12.7	MAY 20, 1931	13.7	MAR. 16, 1932	11.4	MAY 12, 1932	11.0
DEC. 19	13.5	NOV. 24	14.2				

9N/2W-4J1 S. DEPTH 65 FT IN 1958.  
 LSD 2155 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 31.27 BELOW LSD, JUNE 13, 1958,  
 LOWEST WATER LEVEL 31.27 BELOW LSD, JUNE 13, 1958.  
 RECORDS AVAILABLE: 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 13, 1958	31.27						



9N/2W-4K1 S. DEPTH 66 FT IN 1958.  
 LSD 2160 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 26.78 BELOW LSD, JUNE 18, 1958,  
 LOWEST WATER LEVEL 26.78 BELOW LSD, JUNE 18, 1958.  
 RECORDS AVAILABLE: 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 18, 1958	26.78						

9N/2W-5M1 S. 2 FOOT WELL POINT SET AT 102 FT IN 1971.  
 LSD 2180 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 39.30 BELOW LSD, FEB. 18, 1972,  
 LOWEST WATER LEVEL 45.35 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1972.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 18, 1972	39.3	APR. 18, 1972	41.05	JUNE 20, 1972	43.03	AUG. 16, 1972	44.84
MAR. 22	40.6	MAY 15	41.75	JULY 20	44.00	SEP. 12	45.35

9N/2W-5M2 S. 2 FOOT WELL POINT SET AT 54.3 FT IN 1971.  
 LSD 2180 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 39.06 BELOW LSD, FEB. 7, 1972,  
 LOWEST WATER LEVEL 45.32 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1972.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 7, 1972	39.06	APR. 18, 1972	40.95	JUNE 20, 1972	42.14	AUG. 16, 1972	44.70
FEB. 18	39.3	MAY 15	41.87	JULY 20	43.85	SEP. 12	45.32
MAR. 22	40.4						

9N/2W-5N4 S. DEPTH 50 FT IN 1958.  
 LSD 2180 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 27.25 BELOW LSD, DEC. 15, 1953,  
 LOWEST WATER LEVEL 27.25 BELOW LSD, DEC. 15, 1953.  
 RECORDS AVAILABLE: 1953.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 15, 1953	27.25						

9N/2W-8A1 S. PERFORATED 28-48 FT, 51-91 FT; DEPTH 91 FT WHEN DRILLED.  
 LSD 2180 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 48.50 BELOW LSD, SEP. 20, 1957,  
 LOWEST WATER LEVEL 48.50 BELOW LSD, SEP. 20, 1957.  
 RECORDS AVAILABLE: 1957.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 20, 1957	48.5 G						



9N/2W-8B1 S. PERFORATED 31-38, 46-60, 87-99 FT; DEPTH 99 FT WHEN DRILLED.  
 LSD 2180 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 41.98 BELOW LSD, JUNE 18, 1958,  
 LOWEST WATER LEVEL 49.81 BELOW LSD, MAR. 2, 1960.  
 RECORDS AVAILABLE: 1958, 1960.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 18, 1958	41.98	MAR. 2, 1960	49.81				

9N/2W-8C1 S. DEPTH 87 FT IN 1958.  
 LSD 2190 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 58.98 BELOW LSD, MAR. 15, 1962,  
 LOWEST WATER LEVEL 58.98 BELOW LSD, MAR. 15, 1962.  
 RECORDS AVAILABLE: 1958, 1962.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 18, 1958	60. A	MAR. 15, 1962	58.98				

9N/2W-10A2 S. DEPTH 223 FT IN 1957.  
 LSD 2185 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 62.00 BELOW LSD, SEP. 20, 1957,  
 LOWEST WATER LEVEL 62.00 BELOW LSD, SEP. 20, 1957.  
 RECORDS AVAILABLE: 1957.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 20, 1957	62. G						

9N/2W-10A3 S. DEPTH 100 FT IN 1958.  
 LSD 2185 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 62.50 BELOW LSD, SEP. 20, 1957,  
 LOWEST WATER LEVEL 62.50 BELOW LSD, SEP. 20, 1957.  
 RECORDS AVAILABLE: 1957-58.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 20, 1957	62.5 G	JUNE 12, 1958	54.16A				

9N/2W-10B1 S. DEPTH 120 FT IN 1958.  
 LSD 2210 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 85.27 BELOW LSD, MAR. 17, 1970,  
 LOWEST WATER LEVEL 98.80 BELOW LSD, JAN. 26, 1954.  
 RECORDS AVAILABLE: 1954, 1958, 1967-71.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 26, 1954	98.8 G	MAR. 21, 1967	97.85	MAR. 12, 1968	96.69	MAR. 17, 1970	85.27
OCT. 3, 1958	87.98	SEP. 26	95.74	APR. 7, 1969	94.52	APR. 19, 1971	85.28

9N/2W-17E1 S. DEPTH 130 FT IN 1958.  
 LSD 2250 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 73.00 BELOW LSD, OCT. 27, 1954,  
 LOWEST WATER LEVEL 73.50 BELOW LSD, APR. 20, 1954.  
 RECORDS AVAILABLE: 1954, 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 20, 1954	73.50	OCT. 27	73. G	OCT. 3, 1958	79.55A		



9N/2W-19R1 S. PERFORATED 149-152 FT; DEPTH 152 FT IN 1953.

LSD 2320 FT ABOVE MSL.

HIGHEST WATER LEVEL 128.30 BELOW LSD, AUG. 17, 1954.

LOWEST WATER LEVEL 128.30 BELOW LSD, AUG. 17, 1954.

RECORDS AVAILABLE: 1954, 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 17, 1954	128.30	OCT. 3, 1958	144.35A				

9N/2W-20D1 S. DEPTH 170 FT IN 1958.

LSD 2260 FT ABOVE MSL.

HIGHEST WATER LEVEL 82.00 BELOW LSD, OCT. 3, 1958.

LOWEST WATER LEVEL 82.00 BELOW LSD, OCT. 3, 1958.

RECORDS AVAILABLE: 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1958	82. G						

9N/2W-34D1 S. REPORTED MEASUREMENTS FURNISHED BY CALIFORNIA DEPARTMENT OF PUBLIC WORKS. DEPTH 180 FT IN 1958.

LSD 2450 FT ABOVE MSL.

HIGHEST WATER LEVEL 127.20 BELOW LSD, APR. 9, 1931.

LOWEST WATER LEVEL 128.00 BELOW LSD, MAR. 17, 1932.

RECORDS AVAILABLE: 1930-32.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1930	127.4 G	APR. 9, 1931	127.2 G	MAR. 17, 1932	128. G		

10N/1W-31B1 S. DEPTH 130 FT IN 1959.

LSD 2125 FT ABOVE MSL.

HIGHEST WATER LEVEL 46.40 BELOW LSD, MAY 20, 1959.

LOWEST WATER LEVEL 46.40 BELOW LSD, MAY 20, 1959.

RECORDS AVAILABLE: 1959.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 20, 1959	46.40						

10N/1W-31F1 S. RECORDS IN 1953-58 FURNISHED BY SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT. DEPTH 85 FT IN 1959.

LSD 2120 FT ABOVE MSL.

HIGHEST WATER LEVEL 41.88 BELOW LSD, APR. 15, 1955.

LOWEST WATER LEVEL 48.16 BELOW LSD, MAR. 26, 1958.

RECORDS AVAILABLE: 1953-59.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 13, 1953	44.42	APR. 15, 1955	41.88	DEC. 21, 1956	43.97	MAR. 26, 1958	48.16
MAY 17, 1954	44.22	DEC. 13	45.60	MAY 2, 1957	44.98	MAY 20, 1959	45.52
NOV. 22	44.5	APR. 12, 1956	43.34				



10N/1W-31H1 S. PERFORATED 80-114 FT; DEPTH 114 FT IN 1950.  
 LSD 2115 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 26.22 BELOW LSD, MAY 21, 1959,  
 LOWEST WATER LEVEL 26.22 BELOW LSD, MAY 21, 1959.  
 RECORDS AVAILABLE: 1959.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 21, 1959	26.22						

10N/1W-31H2 S.  
 LSD 2115 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 25.00 BELOW LSD, JULY 31, 1951,  
 LOWEST WATER LEVEL 25.00 BELOW LSD, JULY 31, 1951.  
 RECORDS AVAILABLE: 1951.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 31, 1951	25.0						

10N/1W-31L2 S. DEPTH 65 FT IN 1959.  
 LSD 2105 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 16.24 BELOW LSD, MAY 21, 1959,  
 LOWEST WATER LEVEL 16.24 BELOW LSD, MAY 21, 1959.  
 RECORDS AVAILABLE: 1959.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 21, 1959	16.24						

10N/1W-31L5 S.  
 LSD 2105 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 10.00 BELOW LSD, , 1932,  
 LOWEST WATER LEVEL 10.00 BELOW LSD, , 1932.  
 RECORDS AVAILABLE: 1932.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
, 1932	10. G						

10N/1W-31P1 S. DEPTH 29.4 FT IN 1941.  
 LSD 2110 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 11.00 BELOW LSD, JUNE 12, 1958,  
 LOWEST WATER LEVEL 11.00 BELOW LSD, JUNE 12, 1958.  
 RECORDS AVAILABLE: 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 12, 1958	11.00						



10N/1W-31Q1 S. 2-FOOT WELL POINT SET AT 62.5 FT IN 1971.  
 LSD 2091.80 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 25.95 BELOW LSD, AUG. 30, 1971,  
 LOWEST WATER LEVEL 33.58 BELOW LSD, SEP. 14, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 30, 1971	25.95	DEC. 17, 1971	27.13	APR. 18, 1972	27.72	JULY 20, 1972	31.05
SEP. 14	26.6	JAN. 19, 1972	26.67	MAY 15	28.44	AUG. 16	32.42
OCT. 18	27.54	FEB. 16	26.60	JUNE 20	29.68	SEP. 14	33.58
NOV. 18	26.57	MAR. 22	27.20				

10N/1W-32F4 S. DEPTH 50 FT IN 1959.  
 LSD 2115 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 11.19 BELOW LSD, MAY 27, 1959,  
 LOWEST WATER LEVEL 29.83 BELOW LSD, MAR. 12, 1968.  
 RECORDS AVAILABLE: 1959, 1964, 1967-71.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 27, 1959	11.19	MAR. 21, 1967	29.65B	APR. 7, 1969	14.81	APR. 20, 1971	26.42B
MAR. 19, 1964	22.16	MAR. 12, 1968	29.83	MAR. 17, 1970	13.94		

10N/1W-32J1 S. DEPTH 57 FT IN 1961.  
 LSD 2080 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 17.25 BELOW LSD, AUG. 31, 1961,  
 LOWEST WATER LEVEL 17.25 BELOW LSD, AUG. 31, 1961.  
 RECORDS AVAILABLE: 1961.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 31, 1961	17.25						

10N/1W-32J2 S. PERFORATED 15-27, 55-102, 112-148 FT; DEPTH 148 FT IN 1951.  
 LSD 2080 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 17.45 BELOW LSD, DEC. 14, 1961,  
 LOWEST WATER LEVEL 17.45 BELOW LSD, DEC. 14, 1961.  
 RECORDS AVAILABLE: 1961.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 14, 1961	17.45G						

10N/1W-32K1 S. RECORDS IN 1927, 30-32 FURNISHED BY CALIFORNIA DEPARTMENT OF PUBLIC WORKS.  
 LSD 2080 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 11.30 BELOW LSD, MAR. 13, 1927,  
 LOWEST WATER LEVEL 15.60 BELOW LSD, NOV. 24, 1931.  
 RECORDS AVAILABLE: 1927, 1930-32, 1959.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 13, 1927	11.3	MAY 30, 1930	15.0	NOV. 24, 1931	15.6	MAY 26, 1932	13.0
OCT. 11	14.3	JUNE 21, 1931	14.7	MAR. 23, 1932	13.1	MAY 27, 1959	13.05



10N/1W-32N1 S. 2 FOOT WELL POINT SET AT 102 FT IN 1971.  
 LSD 2084 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 20.42 BELOW LSD, AUG. 30, 1971, SEP. 15, 1971,  
 LOWEST WATER LEVEL 28.30 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 30, 1971	20.42	DEC. 17, 1971	22.80	APR. 18, 1972	23.40	JULY 20, 1972	26.25
SEP. 15	20.42	JAN. 19, 1972	22.38	MAY 15	24.07	AUG. 16	27.39
OCT. 18	22.83	FEB. 16	22.45	JUNE 20	25.09	SEP. 12	28.30
NOV. 18	22.74	MAR. 22	22.97				

10N/1W-32N2 S. 2 FOOT WELL POINT SET AT 80 FT IN 1971.  
 LSD 2084 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 21.16 BELOW LSD, AUG. 30, 1971,  
 LOWEST WATER LEVEL 28.06 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 30, 1971	21.16	DEC. 17, 1971	22.59	APR. 18, 1972	23.17	JULY 20, 1972	26.00
SEP. 15	21.8	JAN. 19, 1972	22.16	MAY 15	23.82	AUG. 16	27.17
OCT. 18	22.7	FEB. 16	22.23	JUNE 20	24.84	SEP. 12	28.06
NOV. 18	22.52	MAR. 22	22.78				

10N/1W-32N3 S. 2 FOOT WELL POINT SET AT 55 FT IN 1971.  
 LSD 2084 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 21.22 BELOW LSD, AUG. 30, 1971,  
 LOWEST WATER LEVEL 28.12 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1971-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 30, 1971	21.22	DEC. 17, 1971	22.66	APR. 18, 1972	23.25	JULY 20, 1972	26.04
SEP. 15	21.4	JAN. 19, 1972	22.24	MAY 15	23.90	AUG. 16	27.20
OCT. 18	22.8	FEB. 16	22.33	JUNE 20	24.69	SEP. 12	28.12
NOV. 18	22.64	MAR. 22	22.85				

10N/1W-32Q1 S. DEPTH 60 FT IN 1958.  
 LSD 2100 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 6.33 BELOW LSD, JUNE 12, 1958,  
 LOWEST WATER LEVEL 6.33 BELOW LSD, JUNE 12, 1958.  
 RECORDS AVAILABLE: 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUNE 12, 1958	6.33						

10N/1W-32R2 S. 2 FOOT WELL POINT SET AT 51 FT IN 1972.  
 LSD 2072 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 16.80 BELOW LSD, FEB. 7, 1972,  
 LOWEST WATER LEVEL 21.28 BELOW LSD, SEP. 12, 1972.  
 RECORDS AVAILABLE: 1972.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 7, 1972	16.80	APR. 18, 1972	17.82	JUNE 20, 1972	18.22	AUG. 16, 1972	20.78
FEB. 16	16.88	MAY 15	18.24	JULY 20	19.88	SEP. 12	21.28
MAR. 22	17.38						



10N/1W-33E1 S. DEPTH 71 FT IN 1967.  
 LSD 2081 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 13.91 BELOW LSD, APR. 7, 1969,  
 LOWEST WATER LEVEL 28.80 BELOW LSD, MAR. 12, 1968.  
 RECORDS AVAILABLE: 1967-70.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 25, 1967	22.52	MAR. 12, 1968	28.80	MAR. 17, 1970	13.93	APR. 20, 1970	20.15
SEP. 26	28.43	APR. 7, 1969	13.91				

10N/1W-33E2 S. DEPTH 50 FT IN 1961.  
 LSD 2080 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 17.35 BELOW LSD, AUG. 31, 1961,  
 LOWEST WATER LEVEL 17.35 BELOW LSD, AUG. 31, 1961.  
 RECORDS AVAILABLE: 1961.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 31, 1961	17.35						

10N/1W-33J1 S. PERFORATED 50-150; DEPTH 150 FT WHEN DRILLED.  
 LSD 2130 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 60.31 BELOW LSD, DEC. 15, 1961,  
 LOWEST WATER LEVEL 60.31 BELOW LSD, DEC. 15, 1961.  
 RECORDS AVAILABLE: 1961.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 15, 1961	60.31						

10N/1W-33P2 S. PERFORATED 50-87 FT; DEPTH 87 FT IN 1952.  
 LSD 2070 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 10.00 BELOW LSD, SEP. 13, 1952,  
 LOWEST WATER LEVEL 10.00 BELOW LSD, SEP. 13, 1952.  
 RECORDS AVAILABLE: 1952.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 13, 1952	10. G						

10N/1W-33Q2 S. PERFORATED 48-107 FT; DEPTH 107 FT IN 1961.  
 LSD 2085 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 37.88 BELOW LSD, DEC. 14, 1961,  
 LOWEST WATER LEVEL 40.12 BELOW LSD, NOV. 15, 1962.  
 RECORDS AVAILABLE: 1961-62.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 14, 1961	37.88	NOV. 15, 1962	40.12				



10N/2W-19P1 S. REPORTED MEASUREMENTS IN 1956-59 FURNISHED BY SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT, 1930-33, 35, 37-41, 43-55 FURNISHED BY CALIFORNIA DEPARTMENT OF PUBLIC WORKS. DEPTH 190 FT IN 1959.  
 LSD 2216 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 62.86 BELOW LSD, APR. 4, 1930,  
 LOWEST WATER LEVEL 83.89 BELOW LSD, SEP. 5, 1958.  
 RECORDS AVAILABLE: 1930-33, 1935, 1937-41, 1943-59.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 4, 1930	62.86	NOV. , 1940	66.79	NOV. 8, 1951	68.29	APR. 3, 1957	80.20
DEC. 19	63.26	JUNE 10, 1941	66.81	MAY 16, 1952	68.85	MAY 2	80.30
MAY 21, 1931	63.56	NOV. 13	66.38	NOV. 28	69.64	JUNE 3	80.77
AUG. 12	63.83	MAY 13, 1943	66.41	MAY 30, 1953	70.14	JULY 2	81.00
MAR. 10, 1932	64.18	DEC. 28	66.51	DEC. 17	72.96	AUG. 1	83.35A
JULY 6	66.76	DEC. 12, 1944	66.48	MAY 17, 1954	75.42	AUG. 28	81.43
JAN. 11, 1933	64.56	MAY 4, 1945	66.38	APR. 15, 1955	75.46	OCT. 2	81.94
MAR. 1, 1935	65.86	NOV. 27, 1946	66.49	DEC. 13	77.16	DEC. 3	81.69
JAN. 15, 1937	65.91	JAN. 7, 1947	66.05	APR. 13, 1956	77.60	MAR. 26, 1958	82.02
DEC. 8	66.23	NOV. 13	66.91	NOV. 5	82.36	AUG. 6	83.39
JUNE 1, 1938	66.21	MAY 17, 1948	66.38	DEC. 5	79.40	SEP. 5	83.89
NOV. 18	66.95	NOV. 18	66.69	JAN. 2, 1957	79.49	NOV. 6	83.54
MAY 23, 1939	68.17	MAY 7, 1949	66.92	FEB. 6	79.56	JAN. 8, 1959	83.39
NOV. 25	66.82	NOV. , 1950	67.50	MAR. 6	79.78	FEB. 4	83.08
MAY 24, 1940	66.23	MAY , 1951	67.83				

10N/2W-30N1 S. RECORDS IN 1930-34 FURNISHED BY CALIFORNIA DEPARTMENT OF PUBLIC WORKS. DEPTH 35 FT IN 1959.  
 LSD 2177 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 18.10 BELOW LSD, APR. 4, 1930,  
 DRY, WATER LEVEL NOT MEASUREABLE, MAY 21, 1959.  
 RECORDS AVAILABLE: 1930-34.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 4, 1930	18.1	NOV. 17, 1931	20.4	APR. 21, 1932	20.4 C	JAN. 11, 1933	18.6
DEC. 19	18.8	MAR. 4, 1932	19.4	MAY 12	19.8 C	JAN. 10, 1934	18.9
MAR. 27, 1931	18.6	MAR. 29	19.9 C	JULY 6	23.1 A	MAY 21, 1959	F
SEP. 13	20.3						

10N/2W-30N4 S. PERFORATED 45-69, 96-113, 126-135 FT; DEPTH 135 FT IN 1946.  
 LSD 2180 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 54.00 BELOW LSD, MAY 21, 1959,  
 LOWEST WATER LEVEL 54.00 BELOW LSD, MAY 21, 1959.  
 RECORDS AVAILABLE: 1959.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 21, 1959	54. G						

10N/2W-30Q5 S. DEPTH 109 FT IN 1959.  
 LSD 2175 FT ABOVE MSL.  
 RECORDS AVAILABLE: 1959.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 21, 1959	39.90A						



10N/2W-30R1 S. RECORDS IN 1930-32 FURNISHED BY CALIFORNIA DEPARTMENT OF PUBLIC WORKS, 1956  
FURNISHED BY SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT.

LSD 2175.20 FT ABOVE MSL.

HIGHEST WATER LEVEL 13.89 BELOW LSD, MAY 7, 1948,

LOWEST WATER LEVEL 29.05 BELOW LSD, APR. 13, 1956.

RECORDS AVAILABLE: 1930-32, 1947-51, 1953, 1956.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 4, 1930	15.67	MAR. 10, 1932	17.97	NOV. 13, 1947	15.70	NOV. 8, 1950	20.92
DEC. 19	16.67	APR. 21	17.67	MAY 7, 1948	13.89	MAY 16, 1951	21.84
MAY 21, 1931	17.07	MAY 12	17.47	MAY 9, 1949	17.57	NOV. 28	23.28
AUG. 13	17.47	JULY 6	16.57	NOV. 16	19.04	DEC. 15, 1953	25.04
NOV. 17	17.87	JAN. 7, 1947	15.17	MAY 1, 1950	19.70	APR. 13, 1956	29.05

10N/2W-30R2 S. DEPTH 110 FT IN 1959.

LSD 2175 FT ABOVE MSL.

HIGHEST WATER LEVEL 17.30 BELOW LSD, APR. 12, 1954,

LOWEST WATER LEVEL 37.45 BELOW LSD, MAY 21, 1959.

RECORDS AVAILABLE: 1954, 1959.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR. 12, 1954	17.30	OCT. 27	29.1 G	MAY 21, 1959	37.45		

10N/2W-32B1 S. RECORDS IN 1930-32 FURNISHED BY CALIFORNIA DEPARTMENT OF PUBLIC WORKS. DEPTH  
63 FT IN 1958.

LSD 2174 FT ABOVE MSL.

HIGHEST WATER LEVEL 13.00 BELOW LSD, APR. 4, 1930,

LOWEST WATER LEVEL 31.33 BELOW LSD, DEC. 2, 1958.

RECORDS AVAILABLE: 1919, 1930-32, 1953, 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
, 1919	15.	DEC. 19, 1930	14.0	AUG. 13, 1931	16.7	DEC. 15, 1953	23.78
APR. 4, 1930	13.0	MAY 21, 1931	16.5	JULY 6, 1932	14.8	DEC. 2, 1958	31.33
SEP. 19	13.6						

10N/2W-32N1 S. DEPTH 130 FT IN 1958.

LSD 2175 FT ABOVE MSL.

HIGHEST WATER LEVEL 25.20 BELOW LSD, OCT. 27, 1954,

LOWEST WATER LEVEL 30.33 BELOW LSD, DEC. 2, 1958.

RECORDS AVAILABLE: 1954, 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 27, 1954	25.2 G	DEC. 2, 1958	30.33				



10N/2W-32Q1 S. DEPTH 100 FT IN 1958.  
 LSD 2172.80 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 11.90 BELOW LSD, MAR. 5, 1947,  
 LOWEST WATER LEVEL 36.25 BELOW LSD, MAR. 26, 1958.  
 RECORDS AVAILABLE: 1946-52, 1956, 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 30, 1946	13.7 G	JAN. 1, 1947	12.8 G	OCT. 15, 1947	14.7 G	MAR. 15, 1950	19.8 G
AUG. 7	13.2 G	JAN. 23	12.4 G	DEC. 12	13.9 G	JULY 12	20.7 G
AUG. 22	13.5 G	FEB. 6	12.1 G	MAR. 11, 1948	14.6 G	AUG. 15	20.9 G
SEP. 6	13.5 G	MAR. 5	11.9 G	APR. 15	14.3 G	DEC. 13	21.1 G
SEP. 16	13.7 G	MAR. 21	12.3 G	JUNE 15	15.3 G	JAN. 16, 1951	21.5 G
SEP. 23	13.6 G	APR. 9	12.5 G	SEP. 14	16.7 G	FEB. 24	21.6 G
SEP. 30	14.0 G	APR. 28	12.5 G	OCT. 13	26.3 A	OCT. 16	25.02G
OCT. 6	13.8 G	MAY 15	12.9 G	DEC. 9	16.3 G	DEC. 13	24.36G
OCT. 15	13.6 G	MAY 29	13.1 G	JAN. 17, 1949	14.6 G	JAN. 22, 1952	24.12G
OCT. 21	13.5 G	JUNE 12	13.3 G	FEB. 17	16.1 G	MAR. 13	26.31G
OCT. 28	13.6 G	JUNE 25	13.3 G	MAR. 16	16.3 G	APR. 10	22.72G
NOV. 6	13.5 G	JULY 10	22.9 A	OCT. 19	19.0 G	APR. 13, 1956	31.90G
NOV. 18	13.5 G	JULY 24	13.7 G	DEC. 14	18.4 G	DEC. 21	33.88G
NOV. 25	13.5 G	AUG. 11	14.2 G	JAN. 24, 1950	18.0 G	MAR. 26, 1958	36.25
DEC. 2	13.2 G	SEP. 4	14.5 G	FEB. 15	18.9 G	DEC. 2	32.13A
DEC. 17	13.1 G						

10N/2W-33Q1 S. DEPTH 115 FT IN 1958.  
 LSD 2160 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 27.02 BELOW LSD, OCT. 2, 1958,  
 LOWEST WATER LEVEL 27.02 BELOW LSD, OCT. 2, 1958.  
 RECORDS AVAILABLE: 1958.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1958	27.02						

10N/2W-36J1 S. PERFORATED 70-118 FT; DEPTH 118 FT IN 1915.  
 LSD 2105 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 16.24 BELOW LSD, MAY 21, 1959,  
 LOWEST WATER LEVEL 16.24 BELOW LSD, MAY 21, 1959.  
 RECORDS AVAILABLE: 1959.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 21, 1959	16.24						

10N/2W-36N7 S. PERFORATED 40-70 FT; DEPTH 70 FT IN 1955.  
 LSD 2120 FT ABOVE MSL.  
 HIGHEST WATER LEVEL 11.89 BELOW LSD, APR. 7, 1969,  
 LOWEST WATER LEVEL 53.98 BELOW LSD, SEP. 26, 1967.  
 RECORDS AVAILABLE: 1959, 1967, 1969-71.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 19, 1959	19.13	SEP. 26, 1967	53.98	MAR. 17, 1970	19.58	APR. 20, 1971	35.71
MAR. 21, 1967	43.67	APR. 7, 1969	11.89				



10N/2W-36P1 S. RECORDS FURNISHED BY THOMPSON REPORT, U.S. BUREAU OF RECLAMATION, SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT. DEPTH 82 FT IN 1959.

LSD 2115 FT ABOVE MSL.

HIGHEST WATER LEVEL 8.70 BELOW LSD, FEB. 6, 1947,

LOWEST WATER LEVEL 28.10 BELOW LSD, SEP. 6, 1946, SEP. 23, 1946.

RECORDS AVAILABLE: 1919, 1946-53, 1955-59.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1919	9.3	APR. 9, 1947	8.9	APR. 14, 1949	9.9	SEP. 13, 1951	13.61
JULY 25, 1946	10.6	APR. 28	9.1	JUNE 16	10.8	OCT. 16	13.73
JULY 30	10.8	MAY 15	9.3	JULY 14	11.2	DEC. 13	12.63
AUG. 7	10.5	MAY 29	9.6	AUG. 18	11.7	JAN. 22, 1952	12.72
AUG. 26	10.8	JUNE 12	9.8	SEP. 15	11.9	FEB. 14	12.37
SEP. 6	28.1 A	JUNE 25	10.1	OCT. 19	11.8	MAR. 13	12.12
SEP. 7	11.0	JULY 10	10.2	DEC. 14	11.3	APR. 10	9.98
SEP. 16	10.9	JULY 24	10.5	JAN. 24, 1950	10.9	JUNE 16	10.60
SEP. 23	28.1	AUG. 7	10.9	FEB. 15	10.8	JULY 16	11.90
SEP. 30	10.9	SEP. 5	11.0	MAR. 15	10.7	SEP. 18	10.89
OCT. 10	10.8	OCT. 15	10.9	APR. 19	10.7	OCT. 16	11.01
OCT. 15	10.8	DEC. 11	10.3	JUNE 15	11.5	DEC. 17	10.40
OCT. 21	10.8	FEB. 17, 1948	9.7	JULY 12	11.9	JAN. 16, 1953	11.10
OCT. 28	10.7	MAR. 11	9.6	AUG. 15	12.2	FEB. 18	11.90
NOV. 6	10.6	APR. 15	9.5	SEP. 14	12.5	MAR. 18	13.25
NOV. 18	10.5	JUNE 14	10.3	OCT. 17	12.3	APR. 17	13.29
NOV. 25	10.1	JULY 13	10.8	DEC. 30	12.1	NOV. 13	16.40
DEC. 2	9.9	AUG. 10	11.2	JAN. 16, 1951	11.8	APR. 15, 1955	18.05
DEC. 17	9.8	SEP. 14	11.4	FEB. 14	11.6	APR. 12, 1956	19.04
JAN. 1, 1947	9.3	OCT. 13	11.4	MAR. 20	11.5	DEC. 21	19.86
JAN. 23	9.0	DEC. 9	10.9	APR. 18	11.7	MAY 2, 1957	20.17
FEB. 6	8.7	JAN. 17, 1949	10.6	JUNE 14	12.3	MAR. 26, 1958	21.76
MAR. 5	8.8	FEB. 17	10.1	JULY 18	12.9	MAY 21, 1959	18.22
MAR. 21	8.8	MAR. 16	9.9	AUG. 15	13.37		



TABLE 4.--Pumping tests

Time: Time of measurement, in minutes, after pump was started.

Static water level: The depth to water, in feet below or above (+) land-surface datum, prior to start of test.

Pumping water level: The depth to water, in feet below or above (+) land-surface datum, at end of test.

Drawdown: The difference, in feet, between the static and pumping water levels.

Yield: The yield of the well, in gallons per minute, for drawdown indicated.

Specific capacity: Yield, in gallons per minute, divided by drawdown, in feet. The specific capacity is a measure of the physical condition of the well and the aquifer or aquifers which it penetrates. A well with a large specific capacity is capable of a greater yield than a well with a small specific capacity.

State well number	Date	Time (min- utes)	Static water level (feet)	Pumping water level (feet)	Drawdown (feet)	Yield (gpm)	Specific capacity (gpm/ft of dd)
09N/01E-03H03 S	04 11 52		73.7			4.0	
09N/01E-03P02 S	07 14 69		104.4	106.5	2.1	450.0	214.00
09N/01E-03P02 S	07 14 69		104.4	111.6	7.2	1420.0	197.00
09N/01E-03P02 S	07 14 69		104.4	120.2	15.8	2720.0	172.00
09N/01E-03P02 S	09 10 70		105.0	110.5	5.5	1193.0	217.00
09N/01E-03P02 S	07 15 71		106.7	112.2	5.5	1146.0	214.00
09N/01E-03Q01 S	06 19 71					10.0	
09N/01E-03Q02 S	06 17 71					20.0	
09N/01E-04J01 S	06 17 43		68.6	78.8	10.2	241.0	24.00
09N/01E-04J01 S	10 10 50		82.5	92.2	9.7	242.0	25.00
09N/01E-04J01 S	11 02 61				24.9	310.0	12.00
09N/01E-04J01 S							
09N/01E-04J01 S			106.9	131.9	25.0	200.0	8.00
09N/01E-04J01 S	05 05 67		111.0	132.9	21.9	142.0	6.40
09N/01E-04J01 S	09 12 68		112.2	127.2	15.0		
09N/01E-04J01 S	06 25 69		114.0	129.5	15.5	187.0	12.00
09N/01E-04J02 S	06 08 60		98.1	111.0	12.9	1173.0	91.00
09N/01E-04J02 S	11 03 61		102.0	114.0	12.0	1068.0	87.00
09N/01E-04J02 S	04 26 63		106.0	116.5	10.5	1047.0	100.00
09N/01E-04J02 S			109.3	117.9	8.6	1000.0	117.00
09N/01E-04J02 S	05 05 67		111.1	121.3	10.2	1041.0	102.00
09N/01E-04J02 S	09 12 68		112.9	123.2	10.3	973.0	94.00
09N/01E-04J02 S	06 25 69		111.0	124.7	13.7	1035.0	76.00
09N/01E-04J02 S	09 10 70		111.7	122.5	10.8	984.0	91.00
09N/01E-04R01 S					9.0	175.0	19.00
09N/01E-04R01 S	06 17 43		72.8	77.0	4.2	314.0	75.00
09N/01E-04R01 S	01 09 59		100.0	110.0	10.0	302.0	30.00
09N/01E-04R01 S	10 25 60					250.0	
09N/01E-04R01 S	11 02 61		106.0	115.0	9.0	262.0	29.00
09N/01E-04R01 S	04 26 63		108.0	116.5	8.5	227.0	27.00
09N/01E-04R01 S			110.8	118.8	8.0	208.0	26.00



State well number	Date	Time (min- utes)	Static water level (feet)	Pumping water level (feet)	Drawdown (feet)	Yield (gpm)	Specific capacity (gpm/ft of dd)
09N/01E-04R01 S	05 05 67		115.5	123.3	7.8	206.0	26.00
09N/01E-04R01 S	09 12 68		117.7	126.0	8.3	214.0	26.00
09N/01E-04R01 S	06 25 69		115.3	123.6	8.3	218.0	26.00
09N/01E-04R01 S	09 10 70		116.0	121.1	5.1	157.0	31.00
09N/01E-10L01 S	08 25 49		69.0	84.0	15.0	730.0	49.00
09N/01E-10L01 S	10 10 50		74.2	83.2	9.0	734.0	82.00
09N/01E-10L01 S	05 16 56		85.0	87.5	2.5	280.0	112.00
09N/01E-10L01 S	12 16 58		86.0	93.0	7.0	540.0	77.00
09N/01E-10L01 S	01 14 59		86.0	96.0	10.0	803.0	80.00
09N/01E-10L01 S	10 25 60				60.0	510.0	8.50
09N/01E-10L01 S		64	98.9	107.2	8.3	920.0	111.00
09N/01E-10L01 S	05 05 67		103.5	133.5	30.0	826.0	28.00
09N/01E-10L01 S	07 68		103.0	134.0	31.0	826.0	27.00
09N/01E-10L01 S	09 12 68		106.1			978.0	
09N/01E-10L01 S	06 25 69		100.8	117.0	16.2	943.0	58.00
09N/01E-10L01 S	06 10 70		103.5	161.3	57.8	1057.0	18.00
09N/01E-10L01 S	12 21 70		109.1	136.2	27.1	950.0	35.00
09N/01E-13E01 S	01 28 52			100.0		540.0	
09N/01E-13E01 S	01 28 52			93.0		460.0	
09N/01E-13E01 S	01 28 52			91.0		420.0	
09N/01E-13E01 S	01 28 52			89.0		400.0	
09N/01E-13E01 S	01 28 52			87.0		340.0	
09N/01E-14G01 S	08 14 57	2160			24.0	3000.0	125.00
09N/01E-14M01 S	09 19 51			101.8		2811.0	
09N/01E-14M01 S	09 20 55			109.2		2480.0	
09N/01E-15K01 S	07 31 52			103.0		3102.0	
09N/01E-15K01 S	11 05 53			105.5		3097.0	
09N/01E-15K01 S	03 09 55		96.5	109.5	13.0	2802.0	215.54
09N/01E-15K01 S	09 20 55			117.5		2862.0	
09N/01E-15K01 S	05 09 56		101.5	115.5	14.0	2700.0	192.86
09N/01E-15N02 S		53			11.5	657.0	57.13
09N/01E-17H01 S	06 09 61		96.5	114.0	17.5	246.0	14.06
09N/01E-20A01 S	04 10 54		131.8	138.2	6.4	20.0	3.13
09N/01E-20R01 S	03 24 66	5				10.0	
09N/01E-21F01 S	10 01 48		175.3	205.5	30.2	54.0	1.79
09N/01E-21F01 S	01 14 58		204.8			43.0	
09N/01E-21H01 S	03 15 57	1440				200.0	
09N/01E-21L01 S	05 28 48		182.0	269.0	87.0	171.0	1.97
09N/01E-21L01 S		60			65.0	163.0	2.51
09N/01E-21L01 S	06 09 61			281.0		120.0	
09N/01E-22B02 S	09 14 55		100.5	175.5	75.0	150.0	2.00
09N/02E-03K02' S	01 13 60				1.4	1000.0	714.29
09N/02E-03Z01 S	11 05 19					500.0	
09N/02E-06D01 S	10 14 60					280.0	
09N/02E-06D03 S	01 12 59		40.0			150.0	



State well number	Date	Time (min- utes)	Static water level (feet)	Pumping water level (feet)	Drawdown (feet)	Yield (gpm)	Specific capacity (gpm/ft of dd)
09N/02E-08N02 S		48	47.0	57.0	10.0	900.0	90.00
09N/02E-13Q01 S	07 03 53	180				828.0	
09N/02E-18H01 S	07 23 54		60.0	70.0	10.0	1758.0	175.80
09N/02E-20G01 S	06 20 42		40.0	52.0	12.0	1000.0	83.33
09N/02E-20K01 S	06 42		41.0	68.0	27.0	850.0	31.48
09N/02E-20K01 S	06 42		41.0	62.0	21.0	1000.0	47.62
09N/02E-20K02 S	06 23 61					1000.0	
09N/02E-20M01 S	19					1170.0	
09N/02E-25M01 S	04 05 53					900.0	
09N/02E-26D01 S	10 30 19		20.6	30.6	10.0	540.0	54.00
09N/02E-26E02 S	06 21 61					500.0	
09N/02E-26E02 S	11 13 62		38.5	54.0	15.5	1581.0	102.00
09N/02E-27D01 S	10 25 19				7.0	720.0	102.86
09N/01W-04C03 S	53					800.0	
09N/01W-04C03 S	56					1200.0	
09N/01W-06R01 S	06 06 52			43.1	9.0	577.0	64.11
09N/01W-10M01 S	08 02 62				20.0		
09N/01W-11K02 S	08 21 50		9.0			800.0	
09N/01W-13E01 S	54		48.0			675.0	
09N/01W-13E01 S	54		68.0	78.0	10.0	670.0	67.00
09N/01W-13E01 S	56		63.0	70.0	7.0	675.0	96.00
09N/01W-13E01 S	06 57		65.0	70.0	5.0	640.0	128.00
09N/01W-13E01 S	59		63.0	70.0	7.0	1053.0	150.00
09N/01W-13E01 S	11 02 61		68.0	73.0	5.0	1047.0	209.00
09N/01W-13E01 S	04 26 63		67.0	73.0	6.0	1033.0	172.00
09N/01W-13E01 S	64	3	71.2	82.2	11.0	940.0	85.00
09N/01W-13E01 S	01 06 65					940.0	
09N/01W-13E01 S	05 04 67		67.9	75.1	7.2	1149.0	160.00
09N/01W-13E01 S	09 11 68		75.5	83.5	8.0	967.0	121.00
09N/01W-13E01 S	06 24 69		59.4	68.1	8.7	1176.0	135.00
09N/01W-13E01 S	09 10 70		62.9	69.9	7.0	1094.0	156.00
09N/01W-13E01 S	07 14 71		66.0	72.4	6.4	1052.0	164.00
09N/01W-13E02 S	61				148.0	500.0	3.40
09N/01W-13E02 S	04 26 63		68.0	148.0	80.0	670.0	8.40
09N/01W-13E02 S	64		62.0	142.0	80.0	550.0	5.70
09N/01W-13E02 S	05 04 67		64.1	135.0	70.9	656.0	9.20
09N/01W-13E02 S	09 11 68		76.4			516.0	
09N/01W-13E02 S	06 24 69		62.0	129.4	67.4	628.0	9.30
09N/01W-13E02 S	07 14 71		67.1	137.3	70.2	588.0	8.50
09N/01W-13H01 S	08 12 58					1200.0	
09N/01W-13H02 S	02 23 54	120	40.0	100.0	60.0	100.0	1.67
09N/01W-14A01 S	07 29 58				105.5	585.0	5.55
09N/01W-14A02 S	06 58		62.7	80.3	17.6	930.0	53.00
09N/01W-14A02 S	01 20 59		64.0	79.0	15.0	1035.0	69.00
09N/01W-14A02 S	11 03 61		67.0	82.0	15.0	964.0	64.00



State well number	Date	Time (min- utes)	Static water level (feet)	Pumping water level (feet)	Drawdown (feet)	Yield (gpm)	Specific capacity (gpm/ft of dd)
09N/01W-14A02 S	04 23 63		68.0	82.0	14.0	940.0	67.00
09N/01W-14A02 S	05 04 67		69.1	83.4	14.3	862.0	60.00
09N/01W-14A02 S	09 11 68		72.6	86.6	14.0	862.0	62.00
09N/01W-14A02 S	06 24 69		58.7	74.2	15.5	880.0	57.00
09N/01W-14A02 S	09 10 70		62.5	78.5	16.0	849.0	53.00
09N/01W-14B01 S	06 10 43		46.3	63.3	17.0	1107.0	65.00
09N/01W-14B01 S	01 28 46		48.1	66.1	18.0	987.0	55.00
09N/01W-14B01 S		47	55.0	69.0	14.0	930.0	66.00
09N/01W-14B01 S		49	57.0	70.0	13.0	800.0	62.00
09N/01W-14B01 S	10 04 50		57.6	69.6	12.0	919.0	76.00
09N/01W-14B01 S		51	63.0	75.0	12.0	778.0	65.00
09N/01W-14B01 S		54	62.0	75.0	13.0	747.0	58.00
09N/01W-14B01 S	05 15 56		56.8	69.2	12.4	861.0	69.00
09N/01W-14B01 S	06	57			13.0	760.0	58.00
09N/01W-14B01 S		64	61.1	75.1	14.0	630.0	45.00
09N/01W-14B01 S	09 02 64					660.0	
09N/01W-14B01 S	03 21 67					950.0	
09N/01W-14B01 S	05 04 67		58.3	77.5	19.2	774.0	40.00
09N/01W-14B02 S		47	60.0	95.0	35.0	420.0	12.00
09N/01W-14B02 S		49	61.0	95.0	34.0	410.0	12.00
09N/01W-14B02 S	11 04 50		70.6	101.1	30.5	399.0	13.00
09N/01W-14B02 S		51	71.0	86.0	15.0	391.0	26.00
09N/01W-14B02 S		54	63.0	95.0	32.0	327.0	10.00
09N/01W-14B02 S	05 23 56		63.4	96.0	32.6	346.0	11.00
09N/01W-14B02 S	11 02 61		61.5	148.0	86.5	745.0	8.60
09N/01W-14B02 S		64	69.6	79.0	9.4	325.0	35.00
09N/01W-14B02 S	05 04 67		67.9	115.1	47.2	380.0	8.00
09N/01W-14B02 S	09 11 68		70.7	120.7	50.0	386.0	7.70
09N/01W-14B03 S	06 26 69		45.3	50.6	5.3	575.0	108.00
09N/01W-14B03 S	06 26 69		45.3	62.8	17.5	1450.0	83.00
09N/01W-14B03 S	06 26 69		45.3	80.4	35.1	2570.0	73.00
09N/01W-14B03 S	09 10 70		57.7	60.0	2.3	814.0	354.00
09N/01W-14B03 S	12 21 70		48.9	57.5	8.6	785.0	91.00
09N/01W-14B03 S	07 14 71		53.5	61.7	8.2	759.0	102.00
09N/01W-15A01 S	06 11 51					120.0	
09N/01W-15A01 S	08 11 58					330.0	
09N/02W-08A01 S	09 20 57		48.5	53.0	4.5	197.0	43.78
09N/02W-10A02 S	04 15 57	2880			35.0	746.0	21.31
09N/02W-10A02 S	09 20 57		62.0	63.5	1.5	85.0	56.67
09N/02W-10A03 S	09 20 57		62.5	65.8	3.3	206.0	62.42
09N/02W-20D01 S	10 03 58					300.0	
10W/01W-31F01 S	05 20 59					300.0	







